



Courses of Instruction

Sections of courses are listed in alphabetical order, by the **prefix of the academic discipline**. Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit. The suffix “H” designates Honors Courses; the suffix “K” designates courses in which a laboratory is included; the suffix “L” designates a laboratory course that is separate.

ACCT: ACCOUNTING

- ACCT 2101 Principles of Accounting I** 3-0-3
An introduction to financial accounting that emphasizes accounting’s role in business and society. The course develops an understanding of the financial statements of economic entities.
- ACCT 2102 Principles of Accounting II** 3-0-3
Prerequisite: ACCT 2101 with a grade of “C” or better. An introduction to managerial accounting. Emphasis is placed on understanding internal accounting documents and analyzing these documents to render logical and economically feasible decisions.
- ACCT 3201 Intermediate Accounting I** 3-0-3
Prerequisite: ACCT 2102 with a grade of “C” or better. An examination of the conceptual tools used for financial reporting. This course examines the operation of the accounting information system, research techniques, and the application of time value of money concepts in financial reporting.
- ACCT 3202 Intermediate Accounting II** 3-0-3
Prerequisite: ACCT 3201 with a grade of “C” or better. An examination of the financial reporting issues surrounding the revenue and expense recognition, current assets, long-lived assets, and stockholders’ equity.
- ACCT 3203 External Reporting** 3-0-3
Prerequisite: ACCT 3201 with a grade of “C” or better. An examination of the financial reporting issues surrounding investments, liabilities, cash flows, and other advanced topics.
- ACCT 3250 Forensic Accounting** 3-0-3
Prerequisite: FIN 3350. Introduction, examination, and practical applications of forensic techniques in accounting. Topics include fraud detection, business valuations, income and asset valuations in divorce proceedings, expert witness rules (post Daubert), cross examination, rules of evidence and procedure.
- ACCT 3400 Cost Accounting** 3-0-3
Prerequisite: ACCT 2102 with a grade of “C” or better. A study of product cost determination. Inventory valuation, planning, control, and financial reporting are emphasized in this course.
- ACCT 3700 Internal Auditing** 3-0-3
Prerequisite: ACCT 2102 with a grade of “C” or better. Introduction to the theory and practice of internal auditing, an independent appraisal activity within firms. Topics covered include internal auditing standards, ethics, internal controls, risk assessment, evidence, documentation (including use of computer-assisted auditing techniques or CAATs), and reporting practices.

- ACCT 3900 Not-For-Profit Accounting** 3-0-3
Prerequisite: ACCT 2102 with a grade of “C” or better. A study of fund theory and practice. Accounting for governmental entities, educational organizations and other not-for-profit entities are examined.
- ACCT 4220 Advanced Accounting** 3-0-3
Prerequisite: ACCT 3202 with a grade of “C” or better. Concepts and techniques necessary for the preparation of consolidated financial statements and accounting for partnerships. The course is primarily designed as an intensive study of working papers necessary to integrate the financial information of multiple legal entities into a single set of statements reflecting the single economic entity.
- ACCT 4400 Internal Reporting and Analysis** 3-0-3
Prerequisite: ACCT 3400 with a grade of “C” or better. An examination of product cost data with an emphasis on using those data to improve decision-making within the firm.
- ACCT 4410 Accounting Information Systems** 3-0-3
Prerequisites: ACCT 3201, ACCT 3400, and CISM 2201. A grade of “C” or better must be earned in all prerequisite classes. A student must have a declared major in accounting, finance, economics, marketing, management, or be enrolled in the Langdale College MBA program. An introduction both manual and computerized accounting information systems, including business transaction processes, business activities and documents within each process, interrelationship of these processes, the general ledger system, computer technologies that facilitate these processes, and basic computerized internal controls. This course also includes the integration and application of the knowledge and skills obtained in the prerequisite courses to create and maintain a computerized accounting information system.
- ACCT 4500 Individual Income Tax** 3-0-3
Prerequisite: ACCT 2102 with a grade of “C” or better. Introduction to federal income taxes including the elements of income, income exclusions, tax credits, capital gains and losses. Emphasis is placed on understanding the executive, legislative and judicial aspects of the tax law. Research is required.
- ACCT 4510 Corporate and Partnership Taxation** 3-0-3
Prerequisite: ACCT 4500 with a grade of “C” or better. An introduction to the tax aspects of corporations and partnerships. This course emphasizes the history, status, and prospects of tax law as it pertains to the corporate and partnership forms of business.
- ACCT 4800 Auditing** 3-0-3
Prerequisites: ACCT 3202 and ACCT 3400, each with a grade of “C” or better. An introduction to the concepts and techniques used by the independent accountant in the audit of financial statements within the framework of generally accepted accounting principles and generally accepted auditing standards. Emphasis is placed on professional standards and ethics, risk assessment, the collection and evaluation of audit evidence, and on audit preparation.
- ACCT 4850 Accounting Internship** 3 hours credit
Prerequisite: Faculty approval. Graded “Satisfactory” or “Unsatisfactory.” The application of academic accounting skills and values in an employment situation. A research project, approved by a faculty member and the employer, is required. May be taken more than once with Department Head approval.
- ACCT 4990 Directed Study in Accounting** 3 hours credit
Prerequisite: Faculty approval. A special project undertaken by the student. The project is guided by a faculty member and culminates in a research report.

ACED: ADULT AND CAREER EDUCATION

- ACED 1100 Introduction to Business** 3-0-3
An overview of business principles and practices. Emphasis on developing an awareness of banking, marketing, finance, insurance, and organizational design. Will include ethical and human relations issues. Open to all majors.
- ACED 2000 Beginning Keyboarding** 3-0-3
Development of basic touch keyboarding skills. This course provides an introduction to formatting letters, research papers, and miscellaneous documents. Emphasis is placed on developing straight-copy speed and accuracy. Exemption test available.
- ACED 2050 Communications for the Workplace** 3-0-3
Prerequisite: ENGL 1102. Principles of effective oral and written communications. A thorough review of grammar, sentence and paragraph construction, punctuation, and writing techniques. Emphasis on the job-getting process.
- ACED 2400 Computer Technology for the Workplace** 3-0-3
Computer applications for development of analytical and problem-solving workplace skills. Topics include word processing, databases, spreadsheets, communications, and presentations, hardware, networks, and social and ethical concepts. Exemption test available.
- ACED 2900 Basic Theory in Adult and Career Education** 3-0-3
Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.
- ACED 2950 Basic Skills in Adult and Career Education** 3-0-3
Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.
- ACED 2960 Intermediate Skills in Adult and Career Education** 3-0-3
Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.
- ACED 2999 Entry to the Education Profession** 0 hours credit
Graded “Satisfactory” or “Unsatisfactory.” A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an “Unsatisfactory” grade is earned, the course must be repeated until a “Satisfactory” grade is received.
- ACED 3000 Intermediate Keyboarding** 3-0-3
Prerequisite: Grade of “C” or better in ACED 2000 or exemption. Continued emphasis on speed and accuracy building. Detailed coverage of business letters, memos, multiple-page reports, and miscellaneous documents. Exemption test available.
- ACED 3100 Computer Systems** 3-0-3
A general overview of computer hardware and networks. Emphasis is placed on developing basic technological expertise and leadership in administering computer technology in the workplace.

- ACED 3400 Applied Computer Technology** 3-0-3
Prerequisite: ACED 2400 or consent of instructor. Development of intermediate and advanced skills in the use of word processing, spreadsheets, databases, communications, and presentation software. Emphasis placed on creation of computer projects appropriate to the student's major.
- ACED 3500 Beginning Adult and Career Teacher Competency Development** 3-0-3
 Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.
- ACED 3510 Advanced Theory in Adult and Career Education** 3-0-3
 Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.
- ACED 3520 Advanced Skills in Adult and Career Education** 3-0-3
 Reserved for the granting of academic credit based on either successful completion of the National Occupational Competency Examination (NOCTI Examination), approved professional licensure, or experiential credit based on past work experience. Requires approval of academic advisor prior to registration.
- ACED 3600 History and Philosophy of Career Education** 3-0-3
 Exploration of topics specific to adult and career education in industry and/or educational settings. Emphasis will be given to the examination of research, as applied to the public and private sectors.
- ACED 3610 Web Design and Multimedia** 3-0-3
Prerequisite: ACED 2400 or CS 1000, or consent of instructor. Development of the knowledge and skills necessary for utilizing web editing and graphics programs effectively. This course will focus on the design and production of web sites and other materials for use in educational and training environments.
- ACED 3650 Ethics and Liability in Adult and Career Education** 3-0-3
 Investigation of professional ethics, legal and liability issues in adult and career education settings. This course focuses on the elements of planning fair and equitable learning environments and addressing instructor and student legal responsibilities and liability issues.
- ACED 3700 Desktop Publishing** 3-0-3
Prerequisite: ACED 2400 or consent of instructor. Development of desktop publishing concepts and their application to the modern office. Basic, intermediate, and advanced features of a variety of application programs for page design will be used to create various business-related documents.
- ACED 3850 Principles of Adult Education** 3-0-3
 Provides insight into the unique opportunities and challenges of the adult learner as examined in a learning setting. Concepts, theories, and practices will provide students with opportunities to manage pertinent issues, problems, and possible solutions in their work as instructors of adult learners. Emphasis is given to understanding the effect this knowledge has on the teaching-learning process in adult education.
- ACED 3860 Program Development in Adult and Continuing Education** 3-0-3
 Insight into, and working knowledge of, the field of adult and continuing education programming. Emphasis is given to understanding the practical and theoretical foundations upon which adult program formation is based, and reflects the needs and interests of the individual, recreation leisure community, and industry.

- ACED 4050 Office Management** 3-0-3
 Fundamentals of organizational behavior and management applied to the administration of the modern office. Topics include techniques of supervision, personnel problems, office productivity, ethics, and current legislation. Use of the case method in solving problems encountered in the office.
- ACED 4070 Office Applications** 3-0-3
Prerequisites: Grade of “C” or better in ACED 2050, ACED 3000, and ACED 2000 or exemption. Focus on three major aspects of office administration—business calculations, machine transcription, and records management. Emphasis in the course is on solving business mathematics problems using the electronic calculator, keying a variety of business documents from machine transcription, and completing a records management simulation.
- ACED 4160 Administrative Office Procedures** 3-0-3
Prerequisites: ACED 3000 and ACED 3400. Development of increased awareness of the role and scope of the administrative assistant position. This course will focus on basic and expanded job responsibilities, professionalism, and the performance of simulated office activities.
- ACED 4300 Practicum in Adult and Career Education** 3 hours credit
Prerequisite: Senior Standing and major in appropriate specialization; permission of the advisor must be obtained before registration.
- ACED 4310 Practicum in Adult and Career Education** 3 hours credit
Prerequisite: Senior Standing and major in appropriate specialization; permission of the advisor must be obtained before registration.
- ACED 4320 Practicum in Adult and Career Education** 3 hours credit
Prerequisite: Senior Standing and major in appropriate specialization; permission of the advisor must be obtained before registration.
- ACED 4400 Methods and Media for Teaching Accounting and Basic Business Subjects** 3-0-3
Prerequisites: ACED 2999, ACCT 2101, BUSA 2106, ECON 1500. **This a check-point course, and check-point requirements must be met.** Methods, materials, and evaluative procedures for teaching effectively in accounting and in the basic business subjects. Field experiences required.
- ACED 4410 New Teacher Institute** 6-0-6
 Basic instructional and management skills for new secondary career education teachers. Emphasis is on survival skills related to teaching methodology and curriculum implementation that will help them to be successful during their first or second year of teaching.
- ACED 4500 Methods and Media for Teaching Business Skill Subjects** 3-0-3
Prerequisite: ACED 2999; ACED 4400 with a grade of “C” or better. Methods, materials, and evaluative procedures for teaching effectively in keyboarding, information processing, office education, and cooperative business education. Field experiences required.
- ACED 4510 Curriculum Development in Adult and Career Education** 3-0-3
 Principles and procedures for analyzing, describing, and classifying occupations; selecting and sequencing program objectives, units, and tasks, and specifying instructional outcomes. Emphasis is placed on actual occupational analysis and breakdown of responsibilities.
- ACED 4550 Health and Safety in the Work Environment** 3-0-3
 Acquaints students with health and safety issues in technical occupations. Emphasis will be on safety regulations, agencies, codes, health issues, environmental concerns in industry, and ergonomic environmental factors in the workplace.
- ACED 4560 Safety and Health in the Career Education Classroom** 3-0-3
 Investigation of safety and health issues in a classroom/laboratory setting, the need for appropriate safety programs, planning a safe environment, and addressing health and environmental concerns. Emphasis is placed on planning programs that employ accident prevention methodology and developing health awareness.

- ACED 4600 Directed Study in Adult and Career Education** 1-0-1 to 3-0-3
Prerequisite: Consent of the department head. An opportunity for intensive individual study on an approved topic.
- ACED 4670 Techniques of Student Evaluation in Adult and Career Education** 3-0-3
Principles and methods of measurement and evaluation in adult and career education programs, emphasizing the administration, scoring, and interpretation of written and performance tests.
- ACED 4680 Instructional Materials Development in Adult and Career Education** 3-0-3
Principles and procedures for planning and developing both print-based and non-print instructional materials for use in the Technical, Trade and Industrial classroom and laboratory.
- ACED 4690 Methods of Instruction in Adult and Career Education** 3-0-3
Methods of effective teaching in the Technical, Trade and Industrial classroom and laboratory. Emphasis is placed on the instructor's role in the classroom and the delivery of content.
- ACED 4710 Classroom and Laboratory Management** 3-0-3
Principles and strategies for managing the classroom and instructional laboratory. Emphasis is placed on establishing an effective learning environment, minimizing disruptive student behavior, and responding properly to discipline problems.
- ACED 4780 Internship in Teaching Career Education** 6 hours credit each
Prerequisite: Completion of appropriate methods and curriculum classes. Graded "Satisfactory" or "Unsatisfactory." Six hours per semester for a maximum of two semesters.
- ACED 4790 Student Teaching in Business/Career Education** 10 hours credit
Prerequisite: Completion of all coursework. Corequisite: ACED 4800.
- ACED 4800 Professional Practices Seminar** 2-0-2
Prerequisite: Completion of all coursework. Corequisite: ACED 4790. Reflection on educational practices and refinement of concepts emanating from the student teaching experience.
- ACED 4810 Contemporary Skills for the Workplace** 3-0-3
Analysis of the workplace skills needed in a rapidly changing technological society. Emphasis is on communication skills, employee motivation, change management, delegation, team building, and career planning. Students are required to build a career plan and to design a change management project.
- ACED 4820 Project Management for Technical Professionals** 3-0-3
Provides an introduction to the process of project management. Focus is on building the students' understanding of the tools and strategies available to facilitate the management of multiple on-going projects within a technical environment. Topics include: planning systems, strategic and operational planning, mission and vision statements, performance objectives, time and course estimation, diagramming techniques, and performance monitoring through control systems.
- ACED 4900 Special Topics in Adult and Career Education** 3-0-3
Prerequisite: Consent of the department head. Study of a topic relevant to business, adult, or career education.

AFAM: AFRICAN AMERICAN STUDIES

- AFAM 2020 Race, Class, and Gender** 3-0-3
Also offered as WMST 2020. This 2000 level course is a core course, not an elective for the AFA minor. An exploration of social class, gender, and racial/ethnic relations as distinct, but linked dimensions of social inequality. Includes an examination of the historic underpinnings of discrimination by race, class, and gender and the present status of these issues.

- AFAM 3000 Introduction to African American Studies** 3-0-3
An introduction to key concepts, thematic concerns, and the theoretical and philosophical bases for African American Studies. To include perspectives and strategies for the analysis and understanding of the impact of African Americans on the socio-economic, cultural, political, and religious developments of America.
- AFAM 3070 Health Care Issues of Vulnerable Populations in the U.S.** 3-0-3
Also offered as NURS 3070. Prerequisite: SOCI 1101 or SOCI 1160 or permission of the instructor. Course is open to all majors. An examination of the historical, cultural, social, and political issues that render certain populations in the U.S. vulnerable to ill health. The course utilizes appropriate theories to study these issues, with emphasis on ameliorating the health of vulnerable populations. It will examine issues related to health care access and policies and program developed to reduce risks of disease and injury. It is also designed to raise an awareness of the disparities in health among certain groups, including the poor, ethnic minorities, high-risk women and children, the homeless, and uninsured and underinsured, among others.
- AFAM 3090 Africa: Inequalities Past and Present** 3-0-3
Also Offered as ANTH 3090. Prerequisite: ANTH 1102 or permission of instructor. The study and problems of social stratification in Africa from pre-colonial to modern times. Special attention will be paid to both intranational institutions (e.g., kinship, class, and ethnicity) and international political economy.
- AFAM 3220 Studies in African American Literature** 3-0-3
Also offered as ENGL 3220. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. A study of selected topics in African American literature. May be repeated, but only 3 hours may be counted toward distribution requirements for the AFAM minor.
- AFAM 3600 Special Topics in African American Studies** 3-0-3
An in-depth study of selected special topics in African American Studies. May be repeated for credit.
- AFAM 3320 Studies in African Literature** 3-0-3
Also offered as ENGL 3320. Prerequisite: Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140.. A study of selected topics in African literature. May be repeated, but only 3 hours may be counted toward distribution requirements for the AFA minor.
- AFAM 4231 African American History to 1865** 3-0-3
Also offered as HIST 4231. The history of the African Americans from their origin in Africa to the end of slavery in the U.S., with emphasis on their economic life and social thought.
- AFAM 4232 African American History Since 1865** 3-0-3
Also offered as HIST 4232. The history of the African American struggle for equality after emancipation, with special focus on the problems of black leadership from Frederick Douglass to the Black Panthers.
- AFAM 4511 Precolonial Africa** 3-0-3
Also offered as HIST 4511. An analysis of the 8000-year-old cultures of the Nile Valley, including Egypt, Nubia, and Kush; West Africa and its contacts with the Middle East and Europe; the East African city-states and their contacts with India.
- AFAM 4512 Modern Africa** 3-0-3
Also offered as HIST 4512. Explores the European colonization of Africa and the African response. The course also examines the emergence of African nationalism and the problems of creating new states.
- AFAM 4700 African American Studies Seminar** 3-0-3
Prerequisite: AFAM 3000 and at least two AFAM 3000 level course electives. An interdisciplinary seminar on selected topics, providing a capstone experience.

ANTH:ANTHROPOLOGY

- ANTH 1102 Introduction to Anthropology** 3-0-3
An introduction to the origins, evolution, and present-day adaptations of the world's peoples. Emphasis on the study of fossils, archaeological remains, and culturally diverse life ways.
- ANTH 1102H Introduction to Anthropology, Honors** 3-0-3
Fundamentals of anthropology, with particular focus on such disciplinary subfields as physical anthropology, archaeology, and cultural anthropology. Emphasis is on the employment of the anthropological perspective, and the application of anthropological concepts and models to contemporary issues and problems.
- ANTH 3010 Physical Anthropology** 3-0-3
Prerequisites: ANTH 1102 or permission of instructor. The study of the biological origins of the human species. An emphasis is placed on human evolution, genetics, primatology, and the interaction between culture and biology.
- ANTH 3020 Culture and Personality** 3-0-3
Prerequisites: ANTH 1102 or permission of instructor. A cross-cultural survey of the relationship between culture and personality. Attention is directed to the interplay of cultural and social variables in the development of identity. Specific foci include mental illness, aggression, altered states of consciousness, and individual adaptation to social change.
- ANTH 3030 Archaeological Techniques** 0-8-3
Prerequisite: ANTH 1102 or permission of instructor. An introduction to the theory and techniques of archaeology as well as their practical application. Students will participate in fieldwork, including archaeological survey, excavation, and laboratory analysis.
- ANTH 3040 Cultural Anthropology** 3-0-3
Prerequisite: ANTH 1102 or permission of instructor. An introduction to the nature of cultural anthropology through a cross-cultural analysis of cultural systems and social organizations. Specific theoretical approaches are applied to case materials from cultural systems around the world including those within our society.
- ANTH 3070 Magic, Religion, and Witchcraft** 3-0-3
Prerequisite: ANTH 1102 or permission of instructor. A cross-cultural survey of varieties of religious expression. Emphasis is placed on ritual, mythic, and symbolic dimensions of religion and the way religion interrelates with other social institutions.
- ANTH 3090 Africa: Inequality Past and Present** 3-0-3
Also Offered as AFAM 3090. Prerequisite: ANTH 1102 or permission of instructor. The study and problems of social stratification in Africa from pre-colonial to modern times. Special attention will be paid to both intranational institutions (e.g., kinship, class, and ethnicity) and international political economy.
- ANTH 3120 Archaeology of Eastern North America** 3-0-3
Prerequisites: ANTH 1102 or permission of instructor. A study of cultural development in eastern North America, employing archaeological, ethnohistorical, and historical perspectives. The temporal boundaries are the arrival of humans in the region until the nineteenth century. Native American and Euroamerican culture history will be explored.
- ANTH 3130 Indians of North America** 3-0-3
Prerequisites: ANTH 1102 or permission of instructor. A survey of the lifestyles of North American Indians following contact with Europeans. Groups from all regions of North America are included, and the course examines native lifestyles at particular points in time. Primary emphasis is on environmental adaptation and economy of each group; in addition, social and political organization, religion, material culture, arts, and other aspects of culture are discussed.

- ANTH 3160 Experimental Archaeology** 1-4-**3**
Prerequisite: ANTH 1102 or permission of the instructor. An introduction to primitive technology with an emphasis on recreating past tools and utensils in an attempt to understand past lifeways. Lab fee required.
- ANTH 3500 Anthropological Theory** 3-0-**3**
Prerequisites: SOCI 3000. An historical survey of the development of anthropological theory, with a primary focus on the anthropological perspective and including an introduction to general social science. Students will develop a competent review of literature in an area of anthropology.
- ANTH 3510 Anthropological Research** 3-0-**3**
Prerequisites: SOCI 3000. An introduction to the concepts and methods of anthropological research. The emphasis is on developing familiarity with the various research strategies employed by cultural anthropologists and their application. Course work culminates with the design of a research proposal.
- ANTH 3910 Anthropology of Law** 3-0-**3**
Prerequisite: ANTH 1102 or permission of instructor. The study of legal systems and conflict resolution styles in nonWestern societies. The varieties of legal understandings and procedures are explored, and characteristics of specific legal processes are related to other institutional spheres, such as economics, kinship, and religion.
- ANTH 4040 Sociocultural Change** 3-0-**3**
Prerequisite: ANTH 1102 or permission of instructor. An examination of sociocultural changes occurring in tribal and peasant societies in response to modernization. Particular attention is focussed on the articulation of these societies with the larger national and global systems, the resulting inequalities, types of social and cultural disruptions experienced, and the range of responses to change.
- ANTH 4540 Internship in Anthropology** 1-0-1 to 3-0-**3**
Prerequisites: Permission of advisor and Internship Coordinator. **Must be taken concurrently with SOCI 4990 Senior Capstone. Graded "Satisfactory" or "Unsatisfactory."** Supervised, practical experience in an appropriate community agency; an opportunity for students of demonstrated maturity and judgment to discover the integration between theory and practice and make applications.
- ANTH 4900 Special Topics in Anthropology** 1-0-1 to 3-0-**3**
Prerequisites: ANTH 1102 or permission of instructor. Topics vary. Designed to provide an intensive study in a current topic relevant to anthropology. May be repeated for credit.
- ANTH 4980 Directed Study in Anthropology** 1-0-1 to 3-0-**3**
Prerequisites: ANTH 1102 or permission of instructor. Study in an area or subject not normally found in established courses offered by the department; may also allow the student to explore in more detail a topic which is normally covered by the department. May be repeated for credit.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

ARED:ARTEDUCATION

- ARED 2010 Introduction to Crafts** 0-6-3
Prerequisite: ART 1030 - 3-D Design or permission of the Department Head. An introduction to basic crafts techniques and media including glass, enamel, paper, fiber, and textile.
- ARED 2020 Art For Teachers** 3-0-3
The study of creative art education philosophies, goals, content, media, materials, and methods for children. Not open to art majors.
- ARED 2999 Entry to the Education Profession** 0 hours credit
Graded "Satisfactory" or "Unsatisfactory." A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an "Unsatisfactory" grade is earned, the course must be repeated until a "Satisfactory" grade is received.
- ARED 3010 Elementary Art Methods, P-5** 1-4-3
Prerequisites: Art Education major, junior standing, 2.75 GPA, acceptance into the Teacher Education Program, and ARED 2999. Methods, media, materials, management and preparation for teaching in grade levels P-5. Includes off-campus field experiences. Liability insurance required.
- ARED 3012 Secondary Art Methods and Curricula, 6-12** 1-4-3
Prerequisite: ARED 3010 or permission of the department head. Curricular structures and instructional methods for middle and high school art education programs. Development of knowledge of and skills with media, materials, processes, and disciplines appropriate to students in grades 6-12. Lab fee required. Off-campus field experiences require liability insurance.
- ARED 3030K Creative Problem Solving and Visual Thinking Techniques** 0-6-3
The study of creative behaviors. Theories of creativity, creative problems solving, blocks to creative behavior, and the relationship between creativity, cognition, and visual thinking are topics. Emphasis on strategies to enable creative behaviors. This is laboratory class and meets 6 hours per week.
- ARED 3050 Issues and Trends in Curricular and Assessment for Art Education** 3-0-3
Prerequisites: Art Education Major and acceptance into Teacher Education. The study of topics associated with issues and trends in art education programs as they apply to best practice in curricular and assessment models in the field.
- ARED 4070 Seminar in Art Education (P-12)** 2-0-2
Prerequisite: Completion of all other academic course work. Must be taken in conjunction with ARED 4090. Graded "Satisfactory" or "Unsatisfactory." Emphasis on professional expectations, instructional and curricular issues, and problems found in the school environment.
- ARED 4080 Internship in Art Education** 6 hours credit each
Prerequisite: Permission of the Department Head. Graded "Satisfactory" or "Unsatisfactory." A supervised teaching experience for degreed students seeking certification. Must be taken for two consecutive semesters, for a total of 12 semester credit hours.
- ARED 4090 Student Teaching in Art Education** 10 hours credit
Prerequisite: Completion of the professional education sequence. Graded "Satisfactory" or "Unsatisfactory." The culminating professional experience scheduled during the final semester of University enrollment. The student is provided with a supervised teaching experience in any one of three settings, elementary school, middle school, or senior high school.

ARID: INTERIOR DESIGN

- ARID 1120 Fundamental Concepts in Interior Design** 3-0-3
Restricted to interior design majors only. An introductory course focusing on the historical context for contemporary interior design through the professional practices and disciplines of art, interior design, and architecture.
- ARID 2111 Interior Design Studio I** 0-6-3
Prerequisite: ART 1030, ART 1011 and ARTH 1120 or permission of Department Head.
Corequisite: must be taken concurrently with ARID 2310. Explorations of spaces of smaller scale and clearly delineated functions and needs. Emphasis on design process methodology and communications of findings and solutions. Graphics emphasize freehand sketching, color, and black and white media. Field trips and site visits are required.
- ARID 2112 Interior Design Studio II** 0-6-3
Prerequisite: ARID 2111. This course extends the studies begun in Studio I into spaces of limited scale but involves more complex considerations of function, aesthetics, needs, and user satisfaction. Continued emphasis on communication of ideas and solutions through varied graphic formats and words. Includes freehand sketching, technical drawing, etc. Site visits and field trips required.
- ARID 2310 Interior Design Graphics and Presentation** 0-6-3
Prerequisite: ART1030, ART 1011. **Corequisite: ARID 2111 must be taken concurrently.** Exploration of graphic, written and verbal presentation techniques. Application of principles of layout and composition. Experimentation with media and materials. Rendering in color media, including but not limited to markers and colored pencils. Emphasis is on developing skill in freehand sketching, particularly for interior design project needs.
- ARID 3111 Interior Design Studio III** 0-6-3
Prerequisite: ARID 2112 and portfolio review. Introduces topics and spaces of increasing scale and complexity in terms of function, aesthetics, needs and user satisfaction. Emphasis on communication of ideas through varied graphic formats: freehand sketches, technical drawings, computer applications, etc. Includes application of building codes, principles of universal design, and use of materials from sustainable sources. A variety of non-residential spaces are explored through projects. Residential spaces limited to institutional and hospitality applications.
- ARID 3112 Interior Design Studio IV** 0-6-3
Prerequisite: ARID 3111. Consideration of larger scale spaces with diverse and complex issues to resolve. Production of working drawings, documentation of design thinking from concept development through final presentation of solution(s). Emphasis on refining design thinking and communication skills. Site visits and fieldtrips required.
- ARID 3211 History of Interiors I** 3-0-3
Prerequisite: ARTH 1120. Introduction to the aesthetic, technical, functional and social issues inherent in the design and use of interiors of selected times and places. A variety of cultures and contexts are examined and compared. Examples of the built environment are presented in detail: site, structure, materials, furnishings, and distinguishing features. Illustrated lectures and collaborative learning. Research, papers, and site visits required. Emphasis on writing and application of design terminology.
- ARID 3212 History of Interiors II** 3-0-3
Prerequisite: ARID 3211. Varied historical times, topics, and locations. Exploration of the role of the interior designer and the design profession in the shaping and use of the built environment. Emphasis on contemporary issues. Research and site visits required. Emphasis on writing.

- ARID 3320 Materials for Interior Design** 3-0-3
Prerequisite: ARED 2112, ARID 2310. Introduction and exploration of the materials and methods used in the fabrication of interior furnishing and spaces. Applications of varied materials and creation of a source notebook/reference. Research and site visits required.
- ARID 3340 Furniture Design** 0-6-3
Prerequisite: ARID 2112, ARID 2310, successful completion of the shop safety exam. Introduction to the materials and methods used in the design and fabrication of furnishings. Explores performance, aesthetics, and cost factors, etc. Complete design(s) including initial drawings, working drawings, finished piece at model and/or full scale. Work to be completed under the supervision of shop supervisor/designated personnel only. Charge for materials.
- ARID 3350 Lighting & Building Systems** 2-2-3
Prerequisite: ARID 2112. Introduction to aesthetic and technical considerations of lighting and other building systems required for the comfortable use of interior spaces. Addresses plumbing, HVAC, solar, varied new products and systems from domestic and international sources. Case studies, computations, site visits, and research required.
- ARID 3411 Computers for Interior Design** 0-6-3
Prerequisite: ART 2030. Introduction to computer aided design and drafting (CADD), Varied software and applications for 3D visualization and design communication. Emphasis on gaining skills in the use of the computer as a tool in creating and communicating design solutions. Work may be linked to design studio projects.
- ARID 4000 Special Topics** 0-4-2 to 0-6-3
 Relevant topics not included in the official interior design curriculum. Format may vary.
- ARID 4010 Interior Design Internship** 0-0-3
Prerequisite: Junior Standing in Interior Design and ARID 3112. Taken during summer between junior and senior years. Learning through working in the profession. Placement determined through collaborative efforts of student, internship supervisor, and field supervisor. Interviews may be required. Assessment reviews completed by student, internship supervisor, and field supervisor. Requires preparation and meetings prior to and following the internship experience. Written documentation through journal and reports.
- ARID 4111 Interior Design Studio V** 0-6-3
Prerequisite: ARID 3112. Large-scale spaces with complex issues to decipher and incorporate into the design process and solutions. Emphasis on refinement of application of design process including creative and critical thinking, research skills, and graphic, written and verbal presentation skills. Team project(s) required. Design and documentation of custom furnishings/casework required. Site visits and field trips required.
- ARID 4112 Interior Design Studio VI** 0-6-3
Prerequisite: ARID 4111. Culmination of studio work. Largest spaces with intricate criteria to explore, document; incorporate into the design process and to communicate through varied media and methods. In depth exploration of selected topic included. Collaborative work, site visits, and field trips required.
- ARID 4210 Historic Interiors/Contemporary Uses** 3-0-3
Prerequisite: ARTH 3122. Introduction to restoration, preservation and adaptive use of interior spaces and structures. Understanding of local, state, federal and international programs, policies, and organizations involved in studying and sustaining the built environment. Explores issues, ethics and economics of selected examples. Case studies, research, and site visits required.
- ARID 4310 Advanced Graphics and Creative Techniques** 0-6-3
Prerequisites: ARID 2310 and ARID 3111. Advanced problems of rendering perspective drawing, and visual presentation of interior spaces. The course teaches methods of presentation and development of completed interior design projects with rendered perspectives and presentation boards of furnishings, fixtures, finishes, schedules, and related materials.

ARID 4610 Professional Practice 2-2-3
Prerequisite: ARID 3112. Introduction to the profession of interior design: organizations, registration requirements, qualification criteria and testing, ethics, business practices, paperwork, legal issues, etc. Includes portfolio development: graphics, résumé, cover letters.

ART: ART STUDIO AND ART APPRECIATION

ART 1010 Drawing I 0-6-3
An introductory drawing course in which the concepts of composition, figure/ground, line, value, contour, gesture, linear and aerial perspective are studied using a variety of drawing techniques and media.

ART 1011 Drawing II 0-6-3
Prerequisite: ART 1010 A continuation of Drawing I. Further development of drawing techniques and methods for a personal and experimental approach. Abstract imagery, non-representational, and representational imagery will be explored.

ART 1020 Two Dimensional Design 0-6-3
A two-dimensional foundation design course in which the formal elements of art, principles of design, and color theory are introduced.

ART 1030 3-Dimensional Design 0-6-3
A three-dimensional foundation design course in which the formal elements of design are introduced along with the methods and safety procedures associated with the use of power equipment. All students must pass examination on power tool usage and safety before access to power tools and shop.

ART 1100 Introduction To The Visual Arts 3-0-3
An introductory survey of world art from prehistory to the contemporary period. Credit for this course may not be used to satisfy requirements for area F or senior curriculum requirements for ART or ARED majors.

ART 1100H Honors Introduction To The Visual Arts 3-0-3
An introductory survey of world art, at the Honors level, from prehistoric to the contemporary period, set in the context of historical, political, economic, and social events.

ART 2030 Computers In Art 0-6-3
Prerequisite: ART 1020 An introductory course to develop basic skills in computer applications for the visual arts including: design, page layout, word processing, illustration, web access, web design, historical and critical methods, and information management.

ART 3023 Drawing III 0-6-3
Prerequisite: ART 1011. Interpreting the human figure through the use of a variety of media and techniques. May be repeated for up to 9 hours of credit.

ART 3041 Painting I 0-6-3
Prerequisites: ART 1011 and ART 1020 or permission of the Department Head. An introduction to oil and acrylic painting techniques.

ART 3051 Printmaking I 0-6-3
Prerequisite: ART 1010 and ART 1020. An introduction to basic printmaking processes and techniques, including historical background and significance.

ART 3061 Ceramics I 0-6-3
Prerequisite: ART 1030 or permission of the Department Head. A beginning level course including coil and slab construction, wheel throwing techniques, glazing processes, and kiln firing methods.

- ART 3071 Photography I** 0-6-3
An introductory course with emphasis on the technical and aesthetic foundations of black and white photography including camera functions, darkroom processing procedures, and presentation of work. A 35mm camera with manual controls is required.
- ART 3081 Sculpture I** 0-6-3
Prerequisite: ART 1030 or permission of Department Head. An introduction to additive, subtractive, replacement, and modeling sculpture techniques and methods. Attention will be given to three dimensional studies of human anatomy.
- ART 3091 Graphic Design I** 0-6-3
Prerequisite: ART 1020 and ART 2030. Introduction to aesthetic and technical problem solving. Emphasis is placed on contemporary commercial art production techniques.
- ART 3092 Graphic Design II** 0-6-3
Prerequisite: ART 3091. A continuation of Graphic Design I with emphasis on typography, package design, and preparation of portfolio comprehensives. May be repeated for up to 9 hours of credit.
- ART 3101 Jewelrymaking I** 0-6-3
Prerequisites: ART 1030. Introduction to the design and production of jewelry and small metals, emphasis is placed on techniques employing casting and fabrication processes. Students must pass a safety test on the use of equipment and materials.
- ART 3111 Aqueous Media I** 0-6-3
Prerequisite: ART 1010 and ART 1020. The introduction to the technical aspects of aqueous painting media featuring traditional and contemporary methods and techniques.
- ART 4042 Painting II** 0-6-3
Prerequisite: ART 3041. An advanced course in painting using a variety of media and techniques. The emphasis is on the development of personal style. May be repeated for up to 9 hours of credit.
- ART 4052 Printmaking II** 0-6-3
Prerequisite: ART 3051. An advanced course which gives the student an opportunity for further expressive development and experimentation with a variety of printmaking processes. May be repeated for up to 9 hours of credit.
- ART 4062 Ceramics II** 0-6-3
Prerequisites: ART 3061 or permission of the Department Head. An advanced course including sculptural construction methods and functional approaches. May be repeated for up to 9 hours of credit.
- ART 4072 Photography II** 0-6-3
Prerequisite: ART 3071. An advanced course in digital and black and white photography with emphasis on image manipulation and experimental processes. A 35mm camera with manual controls is required. May be repeated for up to 9 hours of credit.
- ART 4082 Sculpture II** 0-6-3
Prerequisite: ART 3081 or permission of Department Head. Intermediate work in additive, subtractive, replacement, and modeling sculpture techniques and methods. May be repeated for up to 9 hours of credit.
- ART 4093 Graphic Design III** 0-6-3
Prerequisite: ART 3091. An advanced course in graphic design with emphasis on illustration and preparation of portfolio comprehensives. May be repeated for up to 9 hours of credit.
- ART 4094 Graphic Design IV** 0-6-3
Prerequisite: ART 3092 or ART 4093. An advanced computer graphics course. The student will concentrate on web page design and three-dimensional modeling. May be repeated for up to 9 hours of credit.

- ART 4095 Graphic Design V** 0-6-3
Prerequisite: ART 4094 or permission of Department Head. An advanced computer graphics course which concentrates on the creation of computer animation. May be repeated for credit.
- ART 4102 Jewelmaking II** 0-6-3
Prerequisite: ART 3101. Advanced techniques and further exploration of jewelry and small metals design. May be repeated for up to 9 hours of credit.
- ART 4112 Aqueous Media II** 0-6-3
Prerequisite: ART 3111 or permission of the Department Head. Advanced aqueous media techniques and methods emphasizing continued development of personal expressive and communicative style. May be repeated for up to 9 hours of credit.
- ART 4140 Technical Problems in Art** 0-2-1 to 0-6-3
Prerequisite: Junior or senior level standing in art. Designed for the advanced student capable of independent study for the purpose of solving studio problems and conducting creative research. Purchase of materials may be required. May be repeated for up to 9 hours of credit.
- ART 4150 Directed Study in Art** 0-2-1 to 0-6-3
Prerequisite: Approval of the supervising faculty member and Department Head. Students are provided the opportunity to explore individual problems in art. Purchase of art materials may be required. May be repeated for up to 9 hours of credit.
- ART 4160 Internship in Art** 3 hours credit
Prerequisite: Art Major and permission of the department head. Supervised work experience through cooperatively planned practical job related to the student's degree. May be repeated for credit.
- ART 4170 Professional Preparation** 0-2-1
Prerequisites: ART 2030. The assembly of a portfolio and résumé acceptable for professional use in art-related careers.
- ART 4171 Senior Exhibition Seminar** 2-0-2
Pre- or co-requisite: ART 4170. A capstone course for the preparation of works for exhibition, learning of gallery procedures, planning for and participating in the senior exhibition. The submission of a final portfolio is required.
- ART 4180 Workshop in Art** 0-2-1 to 0-6-3
Selected topics presented in an intensive workshop setting. Purchase of art materials may be required. May be repeated for up to 9 hours of credit.
- ART 4190 Special Topics in Art Studio** 0-6-3
Prerequisite: Junior- or Senior-level standing in art. Selected topics in studio art areas designed to develop advanced skills in a particular medium and allow students the opportunity for further expressive development. May be repeated for up to 9 hours of credit.

ARTH:ART HISTORY

- ARTH 1120 Fundamental Concepts in the Visual Arts** 3-0-3
Restricted to ART and ARED majors and ART minors only. A course focusing on the historical context of contemporary art, art issues, disciplines, and professional practices.
- ARTH 3120 Special Topics in Art History** 3-0-3
Prerequisite: ART 1100, ARTH 1120, or ARID 1120. The study of unique or special content in the visual arts. May be repeated under different topics for a maximum of 9 hours.
- ARTH 3121 Western Art History Survey** 3-0-3
Prerequisite: ART 1100, ARTH 1120, or ARID 1120. A survey of western world art from prehistory to the modern period

- ARTH 3122 20th Century Art Survey** 3-0-3
Prerequisite: ART 1100, ARTH 1120, or ARID 1120. A survey of world history of art from the late 19th century through the present.
- ARTH 3123 Special Topics in Art History** 3-0-3
Prerequisite: ART 1100, ARTH 1120, or ARID 1120. The study of unique or special content in the visual arts. May be repeated under different topics for a maximum of 9 hours.
- ARTH 4120 Issues in Art Criticism** 3-0-3
Prerequisite: ART 1100, ARTH 1120, or ARID 1120. Selected issues from the discipline of art criticism.
- ARTH 4130 Women Artists** 3-0-3
Prerequisite: ART 1100, ARTH 1120, or ARID 1120. The study of art created by women artists in western and non-western cultures.
- ARTH 4140 African American Art** 3-0-3
Prerequisite: ART 1100, ARTH 1120, or ARID 1120. The study of the arts created by African American artists from the late 18th century up to the present.
- ARTH 4150 Contemporary Art History** 3-0-3
Prerequisite: ART 1100, ARTH 1120, or ARID 1120. The in-depth study of contemporary art.
- ARTH 4160 Directed Study in Art History** 1-0-1 to 3-0-3
Prerequisite: ART 1100, ARTH 1120, ARID 1120, or permission of the Art Department Head. An exploration of individual topics in art history, with supervised research on a chosen topic and weekly conferences between instructor and student. The course may be repeated for up to 9 hours of credit if topics are different.

AS:AEROSPACE STUDIES

- AS 1000 Leadership Laboratory** 0-2-0 to 0-2-1
Graded “Satisfactory” or “Unsatisfactory.” Practices in both followership and leadership. A study of Air Force customs and courtesies, drill ceremonies, military commands, and Air Force opportunities (for 1000- and 2000-level AS students). Advanced leadership experiences in planning, organizing, and executing cadet training activities; preparing and presenting briefings and other oral and written communications (for 3000- and 4000-level AS students). The leadership laboratory is required of AS students each semester, but total credit is limited to 3 hours.
- AS 1001 Foundations of the U.S. Air Force I** 1-0-1
Co-requisite: AS 1000. A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps.
- AS 1002 Foundations of the U.S. Air Force II** 1-0-1
Co-requisite: AS 1000. A survey course designed to continue the student’s introduction to the United States Air Force and Air Force Reserve Officer Training Corps.
- AS 2001 The Evolution of U.S. Air and Space Power I** 1-0-1
Co-requisite: AS 1000. Examines general aspects of the air and space power from a historical perspective. The course covers a time period from the first balloons and dirigibles to the Korean War.
- AS 2002 The Evolution of U.S. Air and Space Power II** 1-0-1
Co-requisite: AS 1000. Examines general aspects of air and space power from a historical perspective. The course covers a time period from the Vietnam War to present operations.
- AS 3001 Leadership Studies I** 3-0-3
Co-requisite: AS 1000. A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluations systems, leadership ethics, and communication skills required of an Air Force junior officer.

- AS 3002 Leadership Studies II** 3-0-3
Co-requisite: AS 1000. Continues the study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluations systems, leadership ethics, and communication skills required of an Air Force junior officer.
- AS 4001 National Security** 3-0-3
Co-requisite: AS 1000. Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine.
- AS 4002 Preparation for Active Duty** 3-0-3
Co-requisite: AS 1000. The final step in preparing an officer candidate for active duty. This course examines the military as a profession, officership, military justice, and civilian control of the military.

ASTRONOMY

- ASTR 1000 Introduction to the Universe** 3-0-3
 A survey of the universe, examining the historical origins of astronomy; the motions and physical properties of the Sun, Moon, and planets; the formation, evolution, and death of stars; and the structure of galaxies and the expansion of the Universe.
- ASTR 1010K Astronomy of the Solar System** 3-2.5-4
 Astronomy from early ideas of the cosmos to modern observational techniques. The solar system planets, satellites, and minor bodies. The origin and evolution of the solar system. Three lectures and one night laboratory session per week.
- ASTR 1020K Stellar and Galactic Astronomy** 3-2.5-4
 The study of the Sun and stars, their physical properties and evolution, interstellar matter, star clusters, our Galaxy and other galaxies, the origin and evolution of the Universe. Three lectures and one night laboratory session per week.
- ASTR 2010 Tools of Astronomy** 0-2-1
 An introduction to observational techniques for the beginning astronomy major. Completion of this course will enable the student to use the campus observatory without direct supervision. The student will be given instruction in the use of the observatory and its associated equipment. Includes laboratory safety, research methods, exploration of resources (library and Internet), and an outline of the discipline.
- ASTR 2020 The Planetarium** 0-2-1
Prerequisites: ASTR 1000, ASTR 1010K, ASTR 1020K, or permission of instructor. Instruction in the operation of the campus planetarium and delivery of planetarium programs. Completion of this course will qualify the student to prepare and give planetarium programs to visiting groups.
- ASTR 3220 Cosmology** 3-0-3
Prerequisite: ASTR 1020 and PHIL 2010 or consent of the instructor. Also offered as PHIL 3220. A scientific and philosophical study of our perception of the universe, including the world views of Ptolemy, Copernicus, and Einstein.
- ASTR 3400 Planetary Geology** 3-0-3
Prerequisite: ASTR 1010 or GEOL 1121 or GEOG 1113. Prerequisite or co-requisite: PHSC 1100 or PHYS 1111 or PHYS 2211. A study of the geology of the terrestrial planets and solid-surface moons, asteroids, comets, and meteorites. The course will focus on comparative planetary geology, with emphasis on geologic processes on the surface, planetary interiors, and data collection methods such as remote sensing and image analysis.

- ASTR 3800 Astrobiology** 3-0-3
Prerequisites: Any one of the following: **ASTR 1000, ASTR 1010K, ASTR 1020K, BIOL 1010, BIOL 1030, BIOL 2010, CHEM 1151K, CHEM 1211, PHYS 1111K, PHYS 2211K; and either MATH 1113 or MATH 2261.** A multidisciplinary science course examining the possibility of extraterrestrial life in the solar system and the universe. Emphasis is on the definition of life from the perspectives of biology, chemistry, and physics, and the requirements for lifeforms. Extreme habitats where lifeforms might evolve will be explored in context with NASA's on-going exploration of the solar system and the search for intelligent life in the galaxy.
- ASTR 4101 Observational Techniques I** 2-2-3
Prerequisites: **PHYS 2212K, ASTR 1010K, ASTR 1020K.** Aspects of observational astronomy. Topics include spectroscopy, photometry, imaging, astrometry, and operation of the observatory.
- ASTR 4102 Observational Techniques II** 2-2-3
Prerequisite: **ASTR 4101.** Aspects of observational astronomy. Topics include radio astronomy, ultraviolet and x-ray astronomy, and data reduction techniques.
- ASTR 4400 Physics of the Solar System** 3-0-3
 Celestial mechanics; physical features of the Sun, planets, moons, and other material in the solar system.
- ASTR 4410 Astrophysics** 3-0-3
Pre- or corequisite: **PHYS 4411.** Radiative transfer in the stellar atmosphere, the interior structure of stars, stellar evolution, physical processes in gaseous nebulae and cosmology.
- ASTR 4800 Internship in Astronomy** 3 to 6 hours credit
 Active participation in research in astronomy, or in some field of science closely allied with astronomy, or work with a planetarium or museum which involves planetarium operations and programs. A daily log of activities, a report on the work done, and a research paper relating the work done to the field of astronomy are required.
- ASTR 4900 Special Topics in Astronomy** 1-0-1 to 4-4-6
Prerequisite: **Consent of advisor and instructor.** Topics to be assigned by instructor; may be taken more than once if topics are different; up to a total of 6 credit hours.
- ASTR 4950 Directed Study in Astronomy** 1-0-1 to 4-4-6
Prerequisites: **Consent of advisor, instructor, and department head.** Study in area or subject not normally found in established courses offered by the department; may also allow students to explore in more detail and/or depth an area or subject covered by the department in astronomy; up to a maximum of 6 credit hours.

BIOLOGY

- BIOL 1010 Introduction to Biology: The Evolution and Diversity of Life** 3-0-3
Co-requisite: **BIOL 1020L.** **This course cannot be taken for credit toward the major in biology.** An introduction to the diversity of life on Earth with a special emphasis on ecological and evolutionary processes and relationships.
- BIOL 1020L Biodiversity Lab** 0-2-1
Co-requisite: **BIOL 1010.** **This course cannot be taken for credit toward the major in biology.** A laboratory course to accompany Biology 1010 emphasizing the diversity of life.
- BIOL 1030 Introduction to Biology: Organismal Biology** 3-0-3
Co-requisite: **BIOL 1040L.** **This course cannot be taken for credit toward the major in biology.** An introduction to modern biology for the non-major with special emphasis on the processes involved in the development and maintenance of complex multicellular organisms.

- BIOL 1040L Organismal Biology Lab** 0-2-1
Co-requisite: BIOL 1030. This course cannot be taken for credit toward the major in biology. A laboratory course to accompany Biology 1030, emphasizing the structure of multicellular organisms.
- BIOL 1050 Human Biology** 3-0-3
 An introduction to the processes underlying the interactions of humans and the natural world. The topics to be covered include: physiological processes and their relationship to diseases; human genetics and biotechnology; the evolutionary basis of human structure and behavior, and the impact of humans on natural communities.
- BIOL 1060 Introduction to Marine Biology** 3-0-3
 A non-technical study of marine and estuarine habitats emphasizing habitat types and biological community diversity. Topics of study will include, but are not limited to: organismal adaptations to a marine environment, bio-diversity and taxonomy of major groups of marine organisms, ecosystem types and characteristics and oceanic scale processes. Some voluntary overnight, weekend field trips with emphasis on collecting coastal fauna and study of Georgia coastal habitats.
- BIOL 1065 Plants and Human Affairs** 3-0-3
 Designed for non-science majors. A broad study of economically important plants, their influence on society, and their evolution and manipulations by humans. Uses of plants in the production of foods, beverages, spices, herbs, perfumes, drugs, dyes, wood, and fibers, and in the aesthetic enhancement of human life.
- BIOL 1070 Microbes and Humans** 3-0-3
 The study of microbes and humans with an emphasis upon infectious diseases and the role of microbes in food production, bioengineering, and industrial processes.
- BIOL 1080 Conservation Biology** 3-0-3
 Basic biology underlying current issues in the conservation of rare species, native ecosystems, and biological diversity in general. Exploration of the nature and geographic distribution of biodiversity and threats to it, discussed in the context of ecological and population-genetic principles as well as socio-economic and political realities. Theory and case studies of different modes of preserving biodiversity (zoos and gardens vs. natural preserves) will be presented. The U.S. Endangered Species Act and Wilderness Preservation Act and C.I.T.E.S., among others, will be critically evaluated as models for government involvement in conservation. Prescriptions for sustainable development that does not further erode biodiversity will be discussed in light of current knowledge of genetics, population dynamics, and community and landscape ecology.
- BIOL 1090 Genetics and Human Affairs** 3-0-3
 Genetics and its human implications, past, present and future. A review of the basic patterns of inheritance using human traits. Emphasis will be given to calculation of recurrence risks by pedigree analysis, the human chromosome aberrations, the molecular aspects of inborn errors of metabolism, the human genome project, recombinant DNA technology and its application to gene therapy. Extensive use of computer technology and auto-tutorials will be made in the course.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

- BIOL 1951H Honors Biology: Cellular Processes** 3-2-4
An introduction to the fundamental principles of cell and molecular biology. Prokaryotic and eukaryotic development will focus on the relationship of structure and function. Cellular solutions to fundamental problems such as cell recognition, energy acquisition and conversion, genetic transmission, and cellular reproduction will be discussed. Taught in an enriched, discussion, and project-oriented classroom environment.
- BIOL 1952H Honors Biology: The Evolution and Diversity of Life** 3-2-4
Introduction to modern biology with an emphasis on the diversity of life on Earth and a close examination of ecological and evolutionary processes and relationships. Taught in an enriched, discussion and project-oriented classroom environment.
- BIOL 2010 Unifying Principles of Biology** 3-3-4
Introduction to biology for science and secondary education/science majors. Emphasis on basic concepts providing a foundation for advanced courses in biology. Concepts covered include the scientific method and experimental design; cellular structure, function, metabolism, and reproduction; the nature of the gene and its action; and the mechanisms of evolution.
- BIOL 2230 General Botany** 3-3-4
Prerequisite: BIOL 2010 with a grade of “C” or higher or consent of the instructor.
Survey of plants, emphasizing evolution, homologous variation, and reproductive cycles of the major groups and development, structure, and function as represented by the seed plants.
- BIOL 2270 General Zoology** 3-3-4
Prerequisite: BIOL 2010 with a grade of “C” or higher or consent of the instructor.
Survey of the animal kingdom.
- BIOL 2651 Human Anatomy and Physiology I** 3-2-4
Introduction to human anatomy and general physiological principles with emphasis on the following: cell and tissue organization, plus skeletal, muscular, nervous, and endocrine systems.
- BIOL 2652 Human Anatomy and Physiology II** 3-2-4
Prerequisite: BIOL 2651. A continuation of human anatomy and general physiological principles with emphasis on the following: cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, plus development.
- BIOL 2900 Microbiology in Health and Disease** 3-3-4
Corequisite: CHEM 1152K. An introductory microbiology course with emphasis upon the role played by microorganisms in health and disease. Open to students who plan to enter the health or allied health fields without a major in biology. Two 1.5 hour laboratory periods per week.
- BIOL 3000 Biostatistics** 2-4-4
Prerequisite: MATH 1113, BIOL 2230 and BIOL 2270. An introduction to univariate and multivariate analysis of data. Laboratory work will allow students to collect data typical of the diverse disciplines in biology and subject those data to appropriate biometrical analyses, using a calculator or computer. Students will be required to keep a detailed lab notebook of the statistical methods studied and also complete a term project and a scientific report. Two 2-hour laboratory periods per week.
- BIOL 3100 Microbiology** 3-3-4
Prerequisites: BIOL 2010, BIOL 2230, BIOL 2270, CHEM 1212/1212L. **Recommended:** CHEM 3402. Survey of microbiology covering eubacteria, archaebacteria, protozoa, fungi, algae, and viruses. Includes fundamental techniques, microbial physiology and genetics, biotechnology, medical applications, and applied microbiology. Two 1.5 hour laboratory periods per week.

- BIOL 3200 Genetics** 3-3-4
Prerequisite: MATH 1113, BIOL 2230, BIOL 2270. A survey of modern genetics including: Mendelian and molecular genetics, as well as selected topics in population and quantitative genetics and genetic engineering. Laboratory will emphasize genetic analysis using live *Drosophila* and computer simulated crosses, chi-square analysis of progeny data, and application of these principles to laboratory analysis of genetic variation at the DNA level.
- BIOL 3300 Ecology** 3-3-4
Prerequisite: BIOL 2230, BIOL 2270, CHEM 1212/1212L. **with a grade of “C” or better.** **Corequisite:** BIOL 3200 or consent of instructor. Basic ecological principles including behavior of individuals, populations, and communities in the context of their physical and biotic environments. Reviews population genetics and basic evolution; emphasizes scientific method, including the role of theory, hypothesis testing, statistical analysis and scientific writing. Observation and data collection mostly in the field within a variety of local ecosystems. One weekend field trip required.
- BIOL 3400 Plant Physiology** 3-3-4
Prerequisites: BIOL 2230, BIOL 2270, CHEM 1211/1211L. An introduction to basic principles of plant function including physical processes occurring in plants, water relations in whole plants and plant tissues, cell physiology and biochemistry, and growth and development.
- BIOL 3450 Animal Physiology** 3-3-4
Prerequisites: BIOL 2230, BIOL 2270, and CHEM 1212, or permission of instructor. A study of animal physiology with an emphasis on mammalian organ systems. The molecular and cellular aspects of physiology as they relate to these systems are considered.
- BIOL 3500 Mycology** 3-3-4
Prerequisites: BIOL 2230, BIOL 2270; **Recommended:** BIOL 3100. Biology of fungi with emphasis on morphology, taxonomy, physiology, and ecology, includes the roles of fungi as both beneficial organisms and as causal agents in plant and animal diseases.
- BIOL 3550 Phycology** 3-4-4
Prerequisites: BIOL 2230 and BIOL 2270. An introduction to the study of the algae, including taxonomy, phylogeny, physiology, and ecology. Laboratories will focus on the examination of live material, and will include methods for the isolation and culture of algae.
- BIOL 3600 Local Flora** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. A field-oriented study emphasizing identification, distribution, and ecology of locally occurring seed-bearing plants. Two or three weekend field trips are routinely scheduled.
- BIOL 3650 Plant Systematics** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. A survey of the principles of plant systematics that includes identification, nomenclature, evolution, and classification within the plant kingdom, and a systematic survey of plant families, with emphasis on local representatives.
- BIOL 3700 Neuroscience** 3-0-3
Prerequisites: BIOL 2010, BIOL 2230, and BIOL 2270, or consent of the instructor. An exploration of the human nervous system based upon current experimental models. The course will be divided into four areas: neural signaling, sensory input, motor input, and modifications of neuronal circuits. The neurobiology of disease will be emphasized.
- BIOL 3800 Invertebrate Zoology** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. A study of the morphology, phylogeny, and ecology of invertebrates.

- BIOL 3810 Introduction to Biogeography** 3-0-3
Also offered as GEOG 3810. Prerequisites: Three of the following courses: GEOG 1112, GEOG 1113, BIOL 2010, BIOL 2230, BIOL 2270. An overview of factors controlling the distribution of plants and animals on the Earth. Topics discussed include ecological and evolutionary processes, geophysical and climatic phenomena, and historical and anthropogenic events that have influenced current distributions.
- BIOL 3840 Entomology** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. Introduction to the study of insect biology including ecology, behavior, and taxonomy. Laboratory includes field observation, sampling and identification of local fauna.
- BIOL 3870 Parasitology** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. A study of the morphology, life cycles, and host-parasite relationships of representative protozoan and metazoan parasites. Human parasites are emphasized.
- BIOL 3900 Ichthyology** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. A study of the taxonomy, distribution, ecology, behavior and evolution of freshwater and marine fishes. One or two overnight field trips on weekends will be scheduled, with emphasis placed on the collection and preservation of specimens and the identification of habitats occupied by various species. Other field trips scheduled during normal laboratory periods.
- BIOL 3920 Herpetology** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. Introduction to the study of amphibians and reptiles, including anatomy, physiology, ecology, behavior, and classification coordinated with field study of local species.
- BIOL 3950 Ornithology** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. Lectures on morphology, evolution, ecology, behavior, and distribution of birds of the world. Lab emphasizes gross anatomy and identification of local species by sight and sound; mostly in the field. Five-day field trip to south Florida required; other Saturday trips offered.
- BIOL 3980 Mammalogy** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. Lectures emphasize morphology, evolution, ecology, zoogeography and classification of mammals of the world. Lab emphasizes gross anatomy and identification of mammal specimens, especially those found in North America. Four-day field trip to Blue Ridge Mountains (NC) required; Manatee dive (FL) offered.
- BIOL 4000 Topics in Biology I** 3-0-3
Prerequisite: BIOL 2230, BIOL 2270 or equivalent. Selected topics in the biological sciences. May be repeated if the topic is different. This course does not include a laboratory.
- BIOL 4010 Topics in Biology II** 3-3-4
Prerequisites: BIOL 2230, BIOL 2270 or equivalent. Selected topics in the biological sciences. May be repeated if the topic is different. This course includes a laboratory.
- BIOL 4100 Morphology of Land Plants** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. Study of vegetative organization and reproductive cycles of bryophytes, pteridophytes and seed plants, which incorporates phylogenetic and ecological relationships.
- BIOL 4200 Plant Anatomy** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. Origin and development of tissues and organs of vascular plants. The laboratory stresses microtechnique including preparation of plant tissues in paraffin and plastic resins, sectioning, staining for specific components of plant tissues, and use of different optical methods.

- BIOL 4300 Comparative Vertebrate Anatomy** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270, or approval of instructor. Anatomical and phylogenetic survey of representative vertebrate animals.
- BIOL 4350 Vertebrate Embryology** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. A study of the fertilization process and embryology of selected vertebrates with the greatest emphasis placed on chick development.
- BIOL 4400 Vertebrate Histology** 3-4-4
Prerequisites: BIOL 2230 and BIOL 2270, and 8 semester hours of senior college biology courses. Study of vertebrate histology with emphasis on the four primary tissues (epithelium, connective, muscle, and nerve). Laboratory work consists primarily of detailed microscopic study and drawings of tissues from prepared slides. Two 2-hour laboratory periods per week.
- BIOL 4500 Cell Biology** 3-3-4
Prerequisites: BIOL 2230, BIOL 2270, CHEM 3601. The organization and function of cellular structures in animal, plant, and microbial systems. Emphasis on the molecular basis of metabolism, transport, mobility, nerve conduction, and the cell cycle.
- BIOL 4510 Virology** 3-0-3
Prerequisites: BIOL 3100 or consent of instructor. An introduction to viruses and other non-cellular infectious agents. Topics include the structure and composition of these agents, their replication, effects on their host, and host responses. Methods for studying these agents, their origins and evolution, and their uses in biotechnology will also be discussed.
- BIOL 4550 Immunology** 3-3-4
Prerequisites: BIOL 2230, BIOL 2270, BIOL 3100. Basic concepts of immunology, including antigen and antibody structure, the generation of diversity, the nature of T cell and B cell receptors, cellular cooperation, and the down regulation of immune responses.
- BIOL 4580 Molecular Genetics** 3-3-4
Prerequisite: BIOL 3200. The study of the molecular nature of eukaryotic genomes, with emphasis on biotechnology. The lecture will focus on using modern molecular genetic techniques as a means to understanding complex eukaryotic genomes. Emphasis will be placed on reading current, relevant scientific literature. The laboratory will involve hands-on experience in which the student will learn the latest technology of molecular genetic analysis and manipulation.
- BIOL 4600 Evolution** 3-0-3
Prerequisites: BIOL 2230, BIOL 2270, BIOL 3200. Study of the theoretical aspects and the patterns and processes of micro- and macro-evolutionary change.
- BIOL 4650 Animal Behavior** 3-3-4
Prerequisites: BIOL 2230 and BIOL 2270. Introduction to the major concepts of causation, development, evolution, and ecology of animal behavior, emphasizing the behavior of social animals.
- BIOL 4700 Limnology** 3-3-4
Prerequisites: BIOL 2230, BIOL 2270, BIOL 3300. A study of the physical, chemical, and biological aspects of fresh waters.
- BIOL 4750 Population Biology** 3-0-3
Prerequisite: MATH 1112, MATH 1113, OR MATH 1113H. **Prerequisite or corequisite:** BIOL 3300. A review of the theory and applications of population biology, including single-species population growth models (exponential, geometric, logistic, life tables, state and age-structured matrix models, metapopulation models), population genetics models, and multi-species interaction models (competition, predator-prey, succession, and parasite-host). Integrated computer exercises will allow students to manipulate model parameters and understand model predictions and dynamics.

- BIOL 4830 Laboratory Practicum I** **1 hour credit**
Prerequisite: 12 hours of upper division biology and a GPA of 3.0. Graded “Satisfactory” or “Unsatisfactory.” Individualized instruction and practice in assisting with the operation of biology laboratory exercises in classes that have one laboratory period per week. The student is assigned to one class section for one semester and is expected to assist with all class laboratories. The practicum is directed by the instructor of the class to which the student is assigned. Credits may not be used as biology electives.
- BIOL 4840 Laboratory Practicum II** **2 hours credit**
Prerequisite: 12 hours of upper division biology and a GPA of 3.0. Graded “Satisfactory” or “Unsatisfactory.” Individualized instruction and practice in assisting with the operation of biology laboratory exercises in classes that have two or more laboratory periods per week. The student is assigned to one class section for one semester and is expected to assist with all class laboratories. The practicum is directed by the instructor of the class to which the student is assigned. Credits may not be used as biology electives.
- BIOL 4850 Biology Internship** **3 hours credit**
Graded “Satisfactory” or “Unsatisfactory.” Open to students who qualify for internship programs in the biological sciences. Credit hours and internship hours granted are agreed on cooperatively by the Biology Department and the internship supervisor and are dependent on the nature of the program and academic work experience. Approval forms must be completed before registration. Grade (Satisfactory/Unsatisfactory) is assigned after submission of written report detailing the work done along with conclusion and evaluation. Only hours of internship credit may be applied toward graduation requirements. Credits may not be used as biology electives.
- BIOL 4860 Pathologist’s Assistant Internship** **4 hours credit**
Prerequisites: Completion of 60 hours of credit to include BIOL 2010, BIOL 2239, BIOL 2270; CHEM 1211/1211L; MATH 1112, MATH 1113 or MATH 1113H, MATH 2261 or MATH 2261H, or MATH 2620; and acceptance into the Pathologist’s Assistant Program with Doctors Laboratory, Inc. Graded “Satisfactory” or “Unsatisfactory.” Admission to this course and credit hours granted are agreed on cooperatively by the Biology Department and Internship Supervisor, dependent on the nature of the program and academic work experience. Approval forms must be completed before registration. Grade is assigned after submission of a written reporting detailing the work done, along with conclusion and evaluation. Internship credit maybe used only as general elective credit and may not be used as biology electives in the major. In order to qualify for certification, students must be enrolled in this course during each full semester of the junior and senior years. Course may be taken four times.
- BIOL 4900 Senior Seminar** **0-3-1**
Pre- or Corequisite: Completion of all required courses in the senior curriculum for the biology major. Graded “Satisfactory” or “Unsatisfactory.”The capstone course in biology. Students are required to attend outside lectures chosen by the instructor. This course assesses students’ ability to research independently topics in biology, assimilate the information, and disseminate the information in an organized and understandable fashion in both written and oral forms. Besides demonstrating comprehension of their topic and competence in communication skills, students take the ETS Major Field test in biology and complete the departmental Senior Exit Questionnaire for successful course completion.
- BIOL 4950 Directed Study** **1 to 4 hours credit**
Prerequisite: completion of at least 11 hours of upper-division biology courses with the consent of the instructor and the Department Head. Supervised investigation of a specific problem and preparation of a final report agreed upon by student and instructor. A maximum of three hours of credit may be applied toward the upper-division biology electives requirements; additional credits may count as free electives.

BUSA: BUSINESSADMINISTRATION

- BUSA 2000 Introduction to Business Administration** 1-0-1
Course is available to declared business (BA) majors only. Graded “Satisfactory” or “Unsatisfactory.” An introduction to business administration. Topics include the environment, culture, and operation of business organizations; careers available in business; individual differences and their effects on career development; business communication technologies including electronic mail and internet; and assessment of individual and organizational outcomes.
- BUSA 2100 Applied Business Statistics** 3-0-3
Prerequisite: MATH 1111 or equivalent. Applications of basic statistical concepts to business environments. Topics include data analysis, measures of central tendency and spread, probability applications, applications of selected distributions, regression, confidence intervals, and hypothesis testing. Business examples and applications are the foundation of instruction. Statistical software is used to analyze results.
- BUSA 2106 The Environment of Business** 3-0-3
Ethical, social, political, legal, and regulatory issues in the business environment. Topics focus on the conflicting rights and duties of individuals, organizations, and other factions in a domestic and global society that lead to the development of ethical awareness, social responsibility, and law.
- BUSA 3100 Introduction to Fraud Examination** 3-0-3
Prerequisite: ACCT 2101 with a grade of “C” or better; pre- or co-requisite: ACCT 2102. An introduction to the prevention, investigation, and detection of fraud. Topics covered include, but are not limited to, types of fraud, asset misappropriations, financial statement misstatements, consumer fraud, fraud against organizations, and internal controls. Students will analyze fraud-related cases to identify fraud prevention and detection and investigation techniques, conduct mock interviews, and write a formal fraud report.
- BUSA 3110 Business Law** 3-0-3
Prerequisite: BUSA 2106. An overview of the laws surrounding business transactions in the areas of contracts, sales, commercial paper, and secured transactions. Additional topics include agency, sole proprietorship, partnership, corporate law, consumer transactions, securities regulation, and property law.
- BUSA 3200 Practicum in Free Enterprise** 3 hours credit
Required for Students In Free Enterprise (SIFE) certification but open to all majors. Supervised practical application of the principles of entrepreneurship and free enterprise. This course is designed to enhance team building, leadership, and communication skills by creating, organizing, and executing projects in the local and regional communities. This course provides opportunities for networking with community and business leaders.
- BUSA 4900 Business Policy** 3-0-3
Prerequisites: BUSA 2106, MKTG 3050, MGNT 3250, FIN 3350, and Senior Standing (within 30 semester hours of graduation). Capstone course required of business administration majors. Uses strategic management concepts to integrate functions of business. Emphasis on analysis of business situations, diagnosis of business problems and opportunities, and application of functional and strategic concepts to increase organization effectiveness.

CHEM: CHEMISTRY

- CHEM 1010 Chemistry for World Citizens** 3-2-4
A chemistry course with a focus on real-world societal issues. Students will develop critical thinking skills and an appreciation for the theoretical and practical aspects of chemistry while learning the fundamentals of chemistry. Chemical knowledge will be developed on a need-to-know basis in decision making activities. The course is designed for non-science majors seeking a laboratory science course.
- CHEM 1151K Survey of Chemistry I** 3-2-4
A study of the fundamental principles of chemistry emphasizing modern atomic theory, the structure and behavior of atoms, the properties and states of matter, energy relations, periodicity and mole concepts. Laboratory experiments supplement the study of the listed topics.
- CHEM 1152K Survey of Chemistry II** 3-2-4
Prerequisite: CHEM 1151K with a grade of “C” or better. A study of the properties, preparation, and reactions of organic compounds in light of modern theories of molecular structure. An overview of the chemistry of living systems including the structure of biological molecules, metabolism, and molecular genetics. Laboratory experiments supplement the study of the listed topics.
- CHEM 1211 Principles of Chemistry I** 3-0-3
Prerequisite or Corequisite: MATH 1111 or MATH 1113. **Corequisite:** CHEM 1211L. An introduction to a quantitative study of the physical and chemical behavior of matter in its several phases and a consideration of modern theories of bonding forces at the molecular level. Atomic and molecular structure, chemical nomenclature, stoichiometry, thermochemistry, the gaseous state, and properties of solutions are discussed.
- CHEM 1211L Principles of Chemistry Laboratory I** 0-3-1
Prerequisites or corequisites: MATH 1111 or MATH 1113, and CHEM 1211. Laboratory exercises to supplement material discussed in CHEM 1211.
- CHEM 1211LH Honors Principles of Chemistry Laboratory I** 0-3-1
Prerequisites or corequisites: MATH 1111 or MATH 1113, and CHEM 1211. Laboratory course to emphasize the experimental nature of chemical science. Students are guided in work on basic chemical concepts and experimental methods in an enriched environment.
- CHEM 1212 Principles of Chemistry II** 3-0-3
Prerequisites: MATH 1111 or MATH 1113, and CHEM 1211 and CHEM 1211L, each with a grade of “C” or better. **Corequisite:** CHEM 1212L. A continuation of the quantitative study of the physical and chemical behavior of matter in its several phases and a consideration of modern theories of bonding forces at the molecular level. Reaction kinetics, chemical equilibrium, oxidation-reduction and acid-base chemistry, electrochemistry, chemical thermodynamics, nuclear chemistry, and the descriptive chemistry of selected elements and their compounds are discussed.
- CHEM 1212L Principles of Chemistry Laboratory II** 0-3-1
Prerequisites: MATH 1111 or MATH 1113, and CHEM 1211 and CHEM 1211L, each with a grade of “C” or better. **Corequisite:** CHEM 1212. Laboratory exercises to supplement material discussed in CHEM 1212.
- CHEM 2210 Sophomore Seminar** 1-0-1
Discussion of and reports on current topics in chemistry and on topics related to the chemist as a professional. Demonstrated comprehension of topic, knowledge of pertinent literature and competence in communication skills, both oral and written, will be considered in assigning a course grade. Required of majors. One meeting per week.

- CHEM 2310 Quantitative Analysis** 3-3-4
Prerequisite: CHEM 1212/1212L with a grade of "C" or better. A study of techniques of quantitative analysis, involving volumetric, gravimetric, and instrumental methods. Theory underlying the experimental techniques, methods of recording and statistically evaluating data and calculations utilizing the data are considered. The methods discussed are applied in the laboratory to determine certain constituents in several samples.
- CHEM 3320 Environmental Chemistry** 2-6-4
Prerequisite: CHEM 1211/1211L, CHEM 1212/1212L, CHEM 3401, and CHEM 3402. Development of a general understanding of how microscopic properties of atoms and molecules can affect macroscopic changes in the environment. Basic chemical concepts, including equilibrium, oxidation-reduction, kinetics, solubility, acid-base chemistry, and thermodynamics, will be applied to complex environmental processes with heavy emphasis on current environmental problems and concerns. Field trips will be required of all students.
- CHEM 3401 Organic Chemistry I** 3-4-4
Prerequisite: CHEM 1212/1212L with a grade of "C" or better. A study of the structure, properties, preparation and reactions of organic compounds in light of modern theories of molecular structure and reaction mechanisms.
- CHEM 3402 Organic Chemistry II** 3-4-4
Prerequisite: CHEM 3401 with a grade of "C" or better. Continuation of CHEM 3401 with emphasis on spectroscopy, organic synthesis, and reaction mechanisms.
- CHEM 3510 Inorganic Chemistry** 3-3-4
Prerequisites: CHEM 1211, CHEM 1211L, CHEM 1212, CHEM 1212L, each with a grade of "C" or better. Descriptive chemistry of the inorganic elements through discussions of periodic trends, reactivity patterns, and structure. Bonding models, thermodynamics, and acid-base chemistry as they apply to the descriptive chemistry of the elements will be covered.
- CHEM 3601 Biochemistry I** 3-0-3
Prerequisites: CHEM 3401 and CHEM 3402 with a grade of "C" or better and an introductory biology course. Principles of the structure and function of biological molecules including carbohydrates, lipids, proteins, membranes, enzymes and nucleic acids. An overview of the major metabolic and biosynthetic pathways is also presented.
- CHEM 3601L Laboratory Techniques in Biochemistry** 1-3-2
Corequisite or prerequisite: CHEM 3601. Experiments to illustrate the principles and research techniques in biochemistry and molecular biology.
- CHEM 3602 Biochemistry II** 3-0-3
Prerequisite: CHEM 3601 with a grade of "C" or better. A continuation of CHEM 3601. Comprehensive discussion of regulatory, metabolic and biosynthetic pathways, advanced enzyme kinetics, regulation of gene expression and recombinant DNA technology.
- CHEM 3801 Physical Chemistry I** 3-3-4
Prerequisites: CHEM 3402, MATH 2262, and PHYS 2212K or PHYS 1112K, all with a grade of "C" or better. A theoretical and mathematical treatment of the fundamental theories and laws of chemistry with an emphasis on thermodynamics. Experimental investigations will supplement the study of phase diagrams, solution calorimetry, bomb calorimetry, thermodynamic modeling and additional solid, liquid, and gas phase energy transfer studies.
- CHEM 3802 Physical Chemistry II** 3-3-4
Prerequisites: CHEM 3402, MATH 2262, and PHYS 2212K or PHYS 1112K, all with a grade of "C" or better. A theoretical and mathematical treatment of the fundamental theories and laws of chemistry with an emphasis on quantum mechanics, kinetics, and statistical mechanics. Experimental investigations will supplement the study of quantum mechanics, kinetics, and statistical mechanics as applied to systems of interest to chemists.

- CHEM 4210 Seminar** 1-0-1
Prerequisites: Senior standing and completion of at least 15 hours of upper division chemistry courses. Discussion of and reports on current topics in chemistry. Demonstrated comprehension of topic, knowledge of pertinent literature, and competence in communication skills, both oral and written, will be considered in assigning a course grade. Required of majors during the senior year. One meeting per week.
- CHEM 4310 Instrumental Analysis** 2-6-4
Prerequisites: CHEM 2310, CHEM 3802. A study of the advantages and the limitations of the use of instruments for the solution of problems in chemical analysis. The physical and chemical processes, instrumentation, and data analysis techniques as applied to mass spectrometry, optical spectroscopy, nuclear magnetic resonance spectroscopy, separations science, electrochemistry, radiochemical analysis, surface analysis, and thermal analysis will be discussed in lecture and utilized in laboratory.
- CHEM 4420 Physical Organic Chemistry** 3-0-3
Prerequisites: CHEM 3402 and CHEM 3802. A study of the methods used to elucidate organic reaction mechanisms. Topics covered include: reaction kinetics, isotope effects; linear free energy relationships; general acid and base catalysis and the acidity functions; reactive intermediates including free radicals, carbenes, carbanions, and carbocations; symmetry controlled reactions; photochemistry.
- CHEM 4510 Advanced Inorganic Chemistry** 3-3-4
Prerequisites: CHEM 3801, CHEM 3802 with a grade of "C" or better. An advanced course concentrating on specific aspects of inorganic chemistry including discussions of atomic and molecular structure, chemical bonding, isomerism, coordination compounds and descriptive chemistry of selected elements. Three lectures and one three-hour laboratory per week.
- CHEM 4810 Computational Chemistry** 1-3-2
Prerequisite: CHEM 3802 with a grade of "C" or better. Computational and modeling software will be introduced through projects involving systems in physical chemistry and spectroscopy as well as organic chemistry, inorganic chemistry, and biochemistry. Computational predictions will be correlated with laboratory experimental results, either from literature sources or from laboratory work done by the student.
- CHEM 4910 Laboratory Problems** 0-4-1 to 0-12-3
Prerequisite: Consent of the instructor and approval of the Department Head. Experimental work in analytical, inorganic, organic, physical or biochemistry. The student should have completed at least one semester of a background course in the appropriate area in order for the research to be of an advanced nature at the undergraduate level. Although it is not possible to predict the exact time required for a research project, a student should expect to spend at least four hours per week for each credit hour awarded in this course. A report, in a format suitable for presentation to a chemical journal, shall be presented before credit is awarded.
- CHEM 4920 Special Topics** 1-0-1 to 3-0-3
Prerequisite: Consent of the instructor and approval of the Department Head. Topics and credit to be assigned. May be taken more than once if topics are different.

CISM: COMPUTER INFORMATION SYSTEMS MANAGEMENT

- CISM 2201 Fundamentals of Computer Applications** 2-0-2
The fundamentals of how microcomputers and local area networks are used in business. Topics include both hardware and software, with an emphasis on application software. Packages include word-processing, presentation software, internet, spreadsheets, and electronic mail.
- CISM 3450 Management Information Systems** 3-0-3
Prerequisites: MGNT 3250; CISM 2201 or CS 1000 or ACED 2400. Information processing, meaning and role of information systems, information systems procedures, business functions of computers, introduction to systems analysis and design, files and databases, office automation, data communication, behavioral and organizational implications, selection of hardware and software.

CIT: COMPUTER INFORMATION TECHNOLOGY

- CIT 3010 Web Programming I** 3-0-3
Prerequisite: CS 1302 or equivalent. CS and CIS majors may receive credit for this course only as a general elective. An overview of programming techniques that provide client-side functionality in Web-based applications. Students will develop web based applications using client-side scripting techniques such as Java Script, VB Script, forms-based XHTML, and Dynamic HTML, as well as related technologies such as cascading style sheets.
- CIT 3020 Web Programming II** 3-0-3
Prerequisite: CIT 3010. CS and CIS majors may receive credit for this course only as a general elective. Server-side programming techniques for creating interactive, dynamic Web-based applications. Students will develop web-based applications using a server-side language such as ASP, JSP, PHP, and Perl. The focus of the course will be on developing database applications.
- CIT 3030 Applied Database Programming** 3-0-3
Prerequisite: CS 1301 or equivalent. An introduction to the relational database model and the design and implementation of an relational database. Topics include the entity-relationship model, normal forms, data definition and data manipulation languages, queries, structured query language (SQL), and reports.
- CIT 3320 Applied Visual Basic Programming** 3-0-3
Prerequisite: CS 1302 or equivalent. Development of complete, stand-alone applications using Visual Basics. The topics considered include basics of event-driven programming, error handling, data-bound controls, ADO, SQL, file processing, classes, DLL and EXE servers, creating Active X controls, automation, packaging, and deployment.
- CIT 4120 Applied Operating Systems Concepts** 3-0-3
Prerequisite: CIT 3030 with a grade of "C" or better. A thorough study of an exant operating system which includes the hardware interface; system structure; implementation details with particular attention to the specific details of multitasking, file system management, memory management, security, and client/server relationships; system installation and administration are also included.

- CIT 4125 Applied Computer Networks** 3-0-3
Prerequisite: CIT 4120 with a grade of “C” or better. An in-depth study of computer networks including fundamental concepts, design, hardware components, data transmission within the framework of the OSI reference model, transmission protocols, network architectures, administration and support, problem detection and resolution, and principles of Local Area and Wide Area Networks. The subject matter is presented as a case study of a network operating system.

COMD: COMMUNICATION DISORDERS

- COMD 2999 Entry to the Education Profession** 0 hours credit
Graded “Satisfactory” or “Unsatisfactory.” A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an “Unsatisfactory” grade is earned, the course must be repeated until a “Satisfactory” grade is received.
- COMD 3010 Introduction to Communication Disorders** 3-0-3
Prerequisites: COMD 2999. An introduction to communication disorders. Terminology, etiology and management procedures required in the practice of Speech-Language Pathology are emphasized. Public school observation/participation is required.
- COMD 3020 Audiology I** 3-0-3
 An introduction to basic auditory tests, anatomy and physiology of the hearing mechanism, and disorders of hearing. Emphasis is placed on audiometric measurement and interpretation.
- COMD 3030 Anatomy & Physiology of the Hearing Mechanism** 2-0-2
Prerequisites: COMD 2999. The study of the anatomy and physiology of the hearing mechanism.
- COMD 3040 Applied Phonetics** 2-2-3
Prerequisites: COMD 2999. Principles of phonetics and their application to typical speech production. Emphasis is placed on skill development in the use of the International Phonetic Alphabet (IPA) and diacritic markers.
- COMD 3060 Anatomy & Physiology of the Speech Mechanism** 2-2-3
Prerequisite: COMD 2999. The study of anatomy and physiology of the head, neck, and trunk relevant to speech production.
- COMD 3070 Normal Language Acquisition** 3-0-3
Prerequisites: COMD 2999 or SPEC 2999. An initial study of language acquisition focusing on the sequence and process of typical development in children. Topics include theories of language development, acquisition sequence of the major components of language, variables affecting language acquisition, and clinical application. Open to non-majors.
- COMD 3080 Introduction to Neurology in Communication Disorders** 2-2-3
Prerequisite: COMD 2999 and COMD 3060. **This a check-point course, and check-point requirements must be met.** An introduction to the anatomy and physiology of the nervous system as it relates to speech and language functions.
- COMD 3090 Professional Practices in Communication Disorders** 2-0-2
Prerequisites: COMD 3010, COMD 3040, COMD 3050. An introduction to the process, practices, roles, responsibilities, and working site opportunities for the speech-language pathologist.

- COMD 4020 Speech Science** 2-2-3
Prerequisites: COMD 2999, COMD 3060. An introduction to the normal processes of communication; the intensification and prolongation of sound, the psychoacoustics of speech sound production and perception, and theories of normal speech production and perception.
- COMD 4040 Introduction to Articulation Disorders** 3-0-3
Prerequisites: COMD 2999 and COMD 3040. An introduction to the normal process of speech acquisition and development; theories of speech acquisition and types of disorders of articulation and phonology. Emphasis is placed on the diagnosis and treatment of children with articulation and phonological disorders.
- COMD 4050 Observation** 0-4-2
Prerequisites: COMD 2999, COMD 3040, COMD 3070. Supervised video-based observation of speech and language diagnosis and therapy with children and adults with speech/language disorders. Students obtain a minimum of 25 hours of direct observation for ASHA requirements.
- COMD 4060 Introduction to Oro-Facial/Laryngeal Disorders** 3-0-3
Prerequisites: COMD 4020. An overview of two common areas of organic disorders of oral communication. Introduction to the communication parameters of oro-facial disorders with special emphasis on cleft lip and palate and communication aspects of voice disorders.
- COMD 4070 Introduction to Fluency Disorders** 3-0-3
Prerequisites: COMD 2999, COMD 4040. Provides basic information on the characteristics and nature of stuttering and causal theories.
- COMD 4080 Introduction to and Analysis of Language Disorders** 3-0-3
Prerequisites: COMD 3070, COMD 4040. An initial study of the identification of varying types of language disorders. Emphasis is placed on language sampling procedures and analysis.
- COMD 4090 Speech & Language for the Hearing Impaired** 3-0-3
Prerequisites: COMD 3020, COMD 3030, COMD 3070. Application of speech and language therapy principles to the management of hearing impaired children (infants through school age).
- COMD 4110 Diagnostics in Communication Disorders** 3-2-4
Prerequisite: COMD 2999. An in-depth study of the evaluation and assessment processes for communication disorders. Content encompasses planning, informal, and standardized assessment and interpretation, for the development of appropriate goals and outcomes.
- COMD 4120 Consultation in Communication Disorders** 3-0-3
A course designed to introduce concepts and develop skills in interviewing, consultation, and conferencing with clients who have communication disorders, their families, and other related professionals.
- COMD 4130 Organic Speech Disorders** 3-0-3
Prerequisite: COMD 2999. A study of the development, genetics, and syndromes associated with organic speech disorders such as oro-facial anomalies, cerebral palsy, and other physically or medically involved populations.
- COMD 4140 Cultural and Dialectical Issues** 3-0-3
A study of the interrelation of sociological variables and linguistic performance, with special emphasis on communication differences and disorders among culturally and linguistically diverse populations.
- COMD 4150 Directed Study** 0-0-1 to 0-0-3
Prerequisites: At least Junior standing; permission of advisor, instructor, and department head. A maximum of 3 hours per semester, not exceeding a total of 9 semester hours within the program. Study in area or subject not normally found in established courses offered by the department; may also allow students to explore in more detail and/or depth an area or subject covered by the department in communication disorders.

- COMD 4151 Audiology II** 3-0-3
 An introduction to advanced audiometric diagnostic procedures and interpretation, including electrophysical, oto-acoustic, brainstem-evoked potential audiometry, and central auditory processing disorders. Speech-language development and management procedures related to childhood hearing impairment are included.
- COMD 4320 Visual Perceptions of Oral Communications** 3-0-3
 An overview of manual communication systems that support speech reading. Emphasis is placed on Signed English, contact Signing, Sim-Com, Total Communication, and Cued Speech.

COMM: COMMUNICATIONARTS

- COMM 1100 Human Communication** 3-0-3
 A broad approach to oral communication skills including intrapersonal, interpersonal, small group, and public speaking.
- COMM 1100H Honors Human Communication** 3-0-3
 An honors-level approach to oral communication skills with emphasis on advanced theoretical and practical approaches to interpersonal communication,, small group communication, and public speaking.
- COMM 1110 Public Speaking** 3-0-3
 The organization of materials and the vocal and physical aspects of delivery in various speaking situations.
- COMM 2100 Introduction to Communication Theory** 3-0-3
 General survey of communication theories to familiarize students with basic constructs in interpersonal, intercultural, organizational, and public communication; to demonstrate the value of theory; and to orient students to the speech communication major.
- COMM 2300 Interpersonal Communication** 3-0-3
Prerequisite: COMM 1100 or COMM 1110. The study of communication skills in interpersonal relationships.
- COMM 2400 Professional Communication** 3-0-3
Prerequisite: Speech Communication Major or Minor. Knowledge and skills in intrapersonal, interpersonal, and group communication as applied to career positions in business and professional settings.
- COMM 3000 Contemporary Communication Theory** 3-0-3
Prerequisite: COMM 2100. Communication theory, with an emphasis on social bases and social variables.
- COMM 3010 Oral Interpretation** 1-2-2
Prerequisite: THEA 1000. An introduction to the fundamentals of performance-based activities in oral interpretation emphasizing group, choral, and solo readings. Open as an elective to all undergraduate majors.
- COMM 3071 Argumentation and Debate** 3-0-3
Prerequisite: COMM 1110. Theory and application of argumentation.
- COMM 3072 Debate and Individual Events (Forensics) Lab** 0-4-2
 Research and practice in debate and individual events. Individual events include dramatic interpretation, dramatic duo interpretation, after-dinner speaking, prose, poetry, communication analysis, program oral interpretation, impromptu, extemporaneous, persuasion, and informative. Debate events include parliamentary style and Lincoln-Douglas style.

- COMM 3090 Public Speaking Lab** 0-2-1
Research and practice in individual presentations.
- COMM 3100 Small Group Communication** 3-0-3
Prerequisite: COMM 1100 or COMM 1110. The theory and practice of small group communication.
- COMM 3200 Contemporary Public Relations** 3-0-3
Prerequisite: COMM 2100, presentational software competency, and either COMM 1100 or COMM 1110, and speech communication major. The first course in public relations, dealing with concepts of communicating with various publics.
- COMM 3210 Electronic Public Relations Applications** 2-2-3
Prerequisite: Either ACED 2400 or CS 1000 and speech communication major. Electronic applications in public relations, including on-line media design.
- COMM 3220 Public Relations Writing** 3-0-3
Prerequisite: COMM 3200 and speech communication major. The study of writing techniques and formats for public relations applications, including radio and television public service announcements, video news releases, speech writing, media kit preparation, and print media news releases.
- COMM 3230 Public Relations Practicum** 1 hour credit
Prerequisites: COMM 3220 and COMM 3240. Skill building in public relations techniques. Course may be repeated once for credit.
- COMM 3240 Public Relations Document Layout and Design** 2-2-3
Prerequisite: COMM 3220, either ACED 2400 or CS 1000, and and speech communication major. Process of preparing and creating documents for publication in public relations.
- COMM 3310 Listening** 2-0-2
Prerequisites: COMM 2300. Study of and skill development in different types of listening.
- COMM 3320 Nonverbal Communication** 3-0-3
Prerequisites: COMM 2300. Study of types and functions of nonverbal communication.
- COMM 3330 Interviewing** 2-0-2
Prerequisites: COMM 2300. Study of and skill development in interviewing.
- COMM 3400 Organizational Communication** 3-0-3
Prerequisites: COMM 1110, COMM 2100, and speech communication major. Communication structures and processes in organizations.
- COMM 3410 Conflict Management and Leadership** 3-0-3
Prerequisite: COMM 2300 and speech communication major. Strategies of managing conflicts in organizations and the role of leadership style in negotiations.
- COMM 3500 Fundamentals of Cross-cultural Communication** 3-0-3
Causes of cross-cultural communication conflicts and strategies for improvement.
- COMM 3550 Managing Diversity** 3-0-3
Prerequisites: COMM 3400 and COMM 3500. An applied approach to the study of theories of diversity in the organizational setting, particularly as it applies to managing communication to achieve individual and organizational goals.
- COMM 3600 Directed Study in Communication Arts** 1 to 3 hours credit
Individual instruction for enrichment of advanced majors in their areas of specialization.
- COMM 3670 Internship for Juniors** 3 hours credit
Prerequisite: Junior standing, recommendation of advisor, and major in appropriate specialization. Graded "Satisfactory" or "Unsatisfactory." The placement of students in apprentice and intern positions in professional environments to enlarge the students' professionalism.

- COMM 3800 Communication Research Methods** 3-0-3
Prerequisite: COMM 2100. The study of research methods used to investigate communication.
- COMM 4060 Persuasion** 3-0-3
Prerequisites: COMM 3000. Theories of persuasion.
- COMM 4120 Theories of Public Communication** 3-0-3
Prerequisite: COMM 3000. The study of selected bodies of theories of public communication, including political communication, classical theory, contemporary rhetorical theory, and mass communication theory. May be repeated for credit.
- COMM 4130 The Psychology and Semiotics of Communication** 3-0-3
Prerequisite: COMM 3000. Origin and purpose of speech, basic psychological principles and language, and the use of propaganda.
- COMM 4170 Rhetorical Criticism** 3-0-3
Prerequisite: COMM 3000. The study of contemporary methods of rhetorical criticism, including underlying theoretical assumptions. Application of methods in the study of discursive practices.
- COMM 4200 Public Relations Techniques** 3-0-3
Prerequisites: COMM 3800 and speech communication major. **Co- or prerequisite:** COMM 3220. The theory and practice of public relations.
- COMM 4220 Integrated Communication** 3-0-3
Prerequisites: COMM 2100 and speech communication major. Integrating the communication planning process, creative strategies, and media planning in advertising, public relations, and other promotional activities of organizations.
- COMM 4230 Public Relations Plans and Campaigns** 3-0-3
Prerequisites: COMM 4200 and speech communication major. The development of public relations plans for organizations and campaigns for special programs within those organizations.
- COMM 4240 Advanced Public Relations Practices** 3-0-3
Prerequisites: COMM 3200 and speech communication major. Legal and ethical aspects of professional public relations practice.
- COMM 4340 Advanced Interpersonal Communication** 3-0-3
Prerequisites: COMM 2300, COMM 3800, and speech communication major. The science and art of communication in close relationships.
- COMM 4400 Organizational Presentation** 3-0-3
Prerequisites: COMM 1110, presentational software competency, and speech communication major. The study of advanced preparation and presentation techniques in organizations. This course will focus on the practice and understanding of professional presentations using advanced visual aids, the delivery of research reports, and the formulation of extended speeches.
- COMM 4420 Advanced Organizational Communication** 3-0-3
Prerequisites: COMM 3400, COMM 3800, and speech communication major. Communication processes and characteristics in formal organizations. Alternative theoretical perspectives and research methods to analyze communication in organizational settings are included.
- COMM 4430 Ethics in Human Communication** 3-0-3
Prerequisite: COMM 2100. A study of the ethical principles that inform human communication and the application of those principles to various settings.
- COMM 4440 Intercultural Training** 3-0-3
Prerequisites: COMM 3550 and COMM 4200. Theoretical foundations and application of practices and competencies relevant to intercultural training.

- COMM 4600 Special Topics in Speech Communication** 1 to 3 hours credit
The study of specific genres of public communication, e.g. black rhetoric, social protest, political campaign communication, pulpit speaking, public relations communication, etc. May be repeated for credit if different topics are discussed.
- COMM 4650 Seminar in Communication Diversity** 3-0-3
Prerequisite: COMM 3500. An intensive study in a current topic relevant to intercultural communication. Topics vary. May be repeated for credit.
- COMM 4670 Internship** 3 to 9 hours credit
Prerequisite: Senior standing and major in appropriate specialization. Graded “Satisfactory” or “Unsatisfactory.” The placement of students in apprentice and intern positions in professional environments to enlarge the student’s professionalism.

COOP: COOPERATIVE EDUCATION

- COOP 1100 Introduction to Professional Co-op Practices** 1-0-1
Setting personal and career goals; development of effective résumés, cover letters, interviewing skills, and job-search skills and strategies. Instruction will include legal and ethical considerations for Co-op employment.
- COOP 1101 Introduction to Parallel Cooperative Education** 1-0-1
Prerequisite: Placement in an approved cooperative education position. Incorporation of skills learned in the co-op experience in students’ personal career plans. Course activities include development of a Career Vision Statement, setting measurable performance objectives, and introduction to the Co-op Career Portfolio and networking skills.
- COOP 1102 Evaluation of the Parallel Cooperative Education Work Experience** 1-0-1
Prerequisite: COOP 1101. Assessment of students’ current co-op employment and development of a plan to assure a progression of work responsibilities consistent with their career plans. Objectives include creation of a Co-op Career Portfolio, update of the Career Vision Statement, and completion of a plan for 3rd and 4th co-op semesters.
- COOP 1103 Integration of the Parallel Cooperative Education Work Experience** 1-0-1
Prerequisite: COOP 1102. Development of a professional network, update of the Co-op Career Portfolio and the Career Vision Statement, and development of a prospectus for the COOP 4990 project.
- COOP 2300 Alternating Cooperative Education Work Experience** 0-0-0
Prerequisite: Placement in an approved alternating semester cooperative education position. Graded “Satisfactory” or “Unsatisfactory.”
Incorporation of the co-op experience as an integral part of students’ personal and academic career plans. Course activities include development of a Career Vision Statement, introduction to the Co-op Career Portfolio, and networking skills.
- COOP 2310 Parallel Cooperative Education Work Experience** 0-0-0
Prerequisite: Placement in an approved parallel cooperative education position. Graded “Satisfactory” or “Unsatisfactory.” Incorporation of skills learned in the co-op experience in students’ personal career plans. Course activities include development of a Career Vision Statement, setting measurable performance objectives, and introduction to the Co-op Career Portfolio and networking skills.
- COOP 2400 Full-time Cooperative Education Internship** 0-0-0
Prerequisite: Placement in an approved full-time cooperative education internship. Graded “Satisfactory” or “Unsatisfactory.” Incorporation of skills learned in the full-time cooperative internship experience with students’ personal and academic career plans. Course activities include development of a Career Vision Statement and introduction to the Career Portfolio and networking.

- COOP 2410 Part-time Cooperative Education Internship** 0-0-0
Prerequisite: Placement in an approved part-time cooperative education internship.
Graded “Satisfactory” or “Unsatisfactory.” Incorporation of skills learned in the part-time cooperative internship experience with students’ personal and academic career plans. Course activities include development of a Career Vision Statement and introduction to the Career Portfolio and networking.
- COOP 2500 Evaluation and Integration of Alternating Cooperative Education** 3-0-3
Prerequisite: COOP 2300 and placement in an approved alternating cooperative education position. Incorporation of skills learned in the co-op experience into students’ personal career plans. Course activities include development of a Career Vision Statement, introduction to the Co-op Career Portfolio, and networking skills,
- COOP 4990 Applied Research Project in Co-op Work Experience** 3-0-3
Prerequisites: COOP 1103 or COOP 2500. A major research project directly related to the student’s co-op employment position and major. Students must submit a project prospectus for approval in advance of enrolling in this course. Students must present their completed project in written form to their Co-op Faculty Coordinator and orally to students or faculty in their major area.

CRJU: CRIMINAL JUSTICE

- CRJU 1100 Introduction to Criminal Justice** 3-0-3
 An introduction to the structure, functions, and operations of criminal justice agencies, including the police, the courts, and corrections.
- CRJU 2100 Survey of Law Enforcement** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. An overview of law enforcement in a free society and the relationship of police to the criminal justice system as a whole. History, organization, administration, operations, and selected issues such as community policing are examined.
- CRJU 2200 Corrections** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. A study of the history, structure, and functions of corrections, and the legal and philosophical basis for the punishment of criminal offenders. Study will include the role of corrections as one of the three major components of the criminal justice system.
- CRJU 2400 Survey of Juvenile Justice** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. An analysis of the juvenile justice system. Major emphasis will be placed upon the socio-historical development of the juvenile justice system, the impact of Supreme Court decisions, and current issues surrounding the juvenile justice system.
- CRJU 3300 Criminal Law** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. A study of the source and development of criminal law, its application, interpretation, and enforcement, and an analysis of Supreme Court decisions to emphasize problems in due process.
- CRJU 3310 Criminal Procedure** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. A study of the nature and function of the law with relation to the criminal processes, and policies and procedures in the administration of criminal justice. Special attention will be given to United States Supreme Court decisions that govern criminal procedures.

- CRJU 3401 Criminal Justice Data Analysis** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. An introduction to criminal justice data analysis including the logic of science, operationalization, sampling, coding, data entry, data file management, and microcomputer processing of research information. Will be taught in an electronic classroom, as facility availability permits.
- CRJU 3402 Criminal Justice Research Methods** 3-0-3
Prerequisite: CRJU 1100 or CRJU 3401 or permission of instructor. An introduction to criminal justice research methodologies with an emphasis on firsthand data collection. Project work introduces students to issues in research design, ethical concerns, conceptualization, sampling, data analysis, interpretation of research results, report writing, and application of research findings. Students will use computer applications in the development of their projects.
- CRJU 3600 Criminology** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. A study of the nature and scope of crime and delinquency in society with an emphasis on criminological theories. Study will include the application of theory as a foundation for conducting research.
- CRJU 3700 Ethics in Criminal Justice** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. Standards of conduct in law enforcement, the court system, and corrections. An examination of traditional and non-traditional criminal justice practices such as fidelity to office, discretion, covert operations, deadly force, affirmative action, political involvement, sentencing, incarceration, and the death penalty.
- CRJU 4010 Comparative Justice Systems** 3-0-3
Prerequisite: Area F Criminal Justice courses or permission of the instructor. A study and comparison of the world's major justice systems.
- CRJU 4100 Seminar in Law Enforcement** 3-0-3
Prerequisite: CRJU 1100 and CRJU 2100 or permission of the instructor. An in-depth study of policies and procedures which govern law enforcement and major contemporary problems in law enforcement.
- CRJU 4110 Forensic Criminology** 3-0-3
Prerequisite: Area F Criminal Justice Courses or permission of the instructor. The scientific investigation of crime with emphasis on the collection, analysis, comparison, and identification of physical evidence.
- CRJU 4200 Seminar in Corrections** 3-0-3
Prerequisite: CRJU 1100 and CRJU 2200 or permission of the instructor. An in-depth study of laws, policies, and procedures which govern corrections and major contemporary problems and issues in corrections.
- CRJU 4400 Seminar in Juvenile Justice** 3-0-3
Prerequisite: CRJU 1100 and CRJU 2400 or permission of the instructor. An in-depth examination of current issues surrounding the juvenile justice system in the State of Georgia and nationwide. Topics include treatment strategies and alternative rehabilitation programs.
- CRJU 4500 Classification of Criminal Behavior** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. A study of the methods of identification and classification of specific criminal behavior types with an emphasis on violent offenders, sexual deviants, the anti-social personality, and the criminally insane.
- CRJU 4610 White-Collar Crime** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. A forum for students to explore the nature and extent of white-collar crime in the U.S. and abroad. Students will critically review several explanatory models of the elite criminality, construct a typology of offenses, evaluate current criminal justice responses, and explore policy options for criminal justice administration.

- CRJU 4620 Criminal Victimization** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. An introduction to the study of victims of crime. The course will examine different areas related to the study of crime victims, including different types of crime victims, the role of the crime victim within the criminal justice system, reporting and data collection methods used to assess crime victims, and how crime victims are identified, confronted, and treated, both historically and in today's criminal justice system.
- CRJU 4630 Crime Prevention Through Environmental Design** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. Basic concepts of crime prevention theories and techniques, with a special focus on the Crime Prevention Through Environmental Design (CPTED) Model. Students will study past and current techniques and programs to determine their effectiveness and how these can be used to establish crime prevention in today's society.
- CRJU 4640 Organized Crime** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. An examination of the history, nature, scope, and typologies of organized crime. Students will apply several theories in order to better understand the development of organized crime. In addition, students will critically evaluate the criminal justice system response to the problem of organized crime.
- CRJU 4650 Sex Crimes** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. A study of sex offenses, including nuisance and dangerous sex crimes, theoretical explanations for sex crimes, identification of and treatment for sex offenders, and the role of the criminal justice system in identifying, punishing, and preventing sex crimes.
- CRJU 4660 Issues in Cybercrime** 3-0-3
Prerequisite: CRJU 1100 or permission of the instructor. An examination of the extent of illegal activities occurring in cyberspace. The course reviews the varieties of cybercrime and discusses legal issues in the investigation and prosecutions of cybercrimes.
- CRJU 4700 Special Topics in Criminal Justice** 3-0-3 to 6-0-6
Prerequisite: Area F Criminal Justice Courses or permission of instructor. An intensive study of a topic relevant to criminal justice.
- CRJU 4800 Seminar in Criminal Justice** 3-0-3
Prerequisites: CRJU 3300, CRJU 3310, CRJU 3401, CRJU 3402, CRJU 3600, CRJU 3700, and senior status or permission of the instructor. An application and integration of core and related criminal justice courses to contemporary criminal justice issues.
- CRJU 4900 Directed Study in Criminal Justice** 3-0-3 to 6-0-6
Prerequisite: major in Criminal Justice; permission of the student's advisor, the instructor, and the Criminal Justice coordinator or department head. Graded "Satisfactory" or "Unsatisfactory." A study in an area not covered in other criminal justice courses; allows the student to explore in more detail a topic which is normally covered in criminal justice courses. May be taken for a maximum of 6 credit hours.
- CRJU 4910 Internship in Criminal Justice** 3 or 6 hours credit
Prerequisite: major in Criminal Justice; permission of the student's advisor, internship coordinator, , and the coordinator **Criminal Justice application: application forms must be submitted prior to midterm of the semester before internship. Graded "Satisfactory" or "Unsatisfactory."** Supervised, practical experience in an appropriate criminal justice agency; an opportunity for students to demonstrate maturity and judgements to discover the integration between theory and practice.

CS: COMPUTER SCIENCE

- CS 1000 Introduction to Microcomputers and Applications** 3-0-3
Computing technology and concepts; applications of personal computers. Topics include hardware and software terminology, word processing, spreadsheets, e-mail, the Internet, the microcomputer's operating system and its use, ethics, and current trends in the use of computers. A hands-on laboratory is integrated with the course.
- CS 1010 Algorithmic Problem Solving** 3-0-3
An introduction to algorithm design and programming as components of the software life cycle, with emphasis on the development of algorithms for solving problems; introduction to the development environment for a particular programming language.
- CS 1301 Principles of Programming I** 4-0-4
Prerequisite: MATH 1101 or MATH 1111, with a grade of "C" or better in each.
Programming-language syntax and semantics; problem solving; algorithm design and implementation using modern programming paradigms and techniques; data types and elementary data structures. This course involves extensive programming activities. Students without a strong math and programming background are encouraged to take CS 1010 first.
- CS 1302 Principles of Programming II** 4-0-4
Prerequisite: CS 1301 with a grade of "C" or better. A continuation of CS 1301 with emphasis on advanced programming structures and techniques. Theory and applications of stacks, queues, and lists; recursion; file processing; introduction to binary trees. This course involves extensive programming activities.
- CS 1338 Elementary FORTRAN Programming** 3-0-3
An introduction to elementary computer programming concepts. Emphasis is on techniques of problem analysis and the development of algorithms and programs. Syntax of the FORTRAN programming language. The course does not presume previous programming experience.
- CS 1340 Computing for Scientists** 3-0-3
Pre- or Corequisite: Math 2261. Foundations of computing, with an introduction to design and analysis of algorithms, including design and construction of programs for scientific and engineering applications.
- CS 2010 Survey of Computer Information Systems** 3-0-3
Prerequisite: CS 1301 with a grade of "C" or better. A general introduction to software engineering, database applications, and networking concepts, as well as an overview of other aspects of computer information systems.
- CS 2620 Discrete Structures** 3-0-3
Prerequisite: MATH 1261 or MATH 2261, with a grade of "C" or better. Propositional and predicate logic, mathematical induction, and recursion. Sets, relations, functions. Graphs and trees. Boolean algebra and computer logic. Finite state machines and computability.
- CS 3000 Tutoring In Computer Science I** 2-0-2
Prerequisite or co-requisite: CS 3410 or consent of instructor. Graded "Satisfactory" or "Unsatisfactory." Fundamentals of one-on-one tutoring in computer science. Review of the principles in programming, including programming language syntax and semantics; problem solving; algorithm design and implementation using current paradigms; data types and data structures; theory and applications of stacks, queues, lists, and binary trees; recursion; and file processing. Introduction to techniques and guidelines for tutoring. Designed for the Tutoring Center tutors in computer science.

- CS 3001 Tutoring In Computer Science II** 1-0-1
Prerequisite: CS 3000. Graded “Satisfactory” or “Unsatisfactory.” Advanced techniques for one-on-one tutoring in computer science. Review of discrete structures, computer organization, and advanced programming principles. Identification and discussion of effective methods for correcting common problems and misconceptions encountered by beginning and intermediate programming students. Discussion of techniques with less experienced tutors. Designed for the Tutoring Center tutors in computer science.
- CS 3101 Computer Organization** 3-0-3
Prerequisite: CS 1302 with a grade of “C” or better. An overview of computer organization and design including Boolean algebra, combinational and sequential circuits, data representation, register transfer and microoperations, CPU organization, microprogrammed control, and machine language programming.
- CS 3102 Assembly Language** 3-0-3
Prerequisite: CS 3101 with a grade of “C” or better. A continuation of CS 3101 with emphasis on machine and assembly language instruction and programming techniques, addressing modes, data representations, I/O, and the assembly process.
- CS 3300 UNIX and Web Programming** 3-0-3
Prerequisite: CS 1302 with a grade of “C” or better. The class emphasizes tools that are available in the UNIX environment including: find, grep, sed, awk, shell programming, HTML, Perl, file security, and Web programming.
- CS 3320 Visual Basic Programming** 3-0-3
Prerequisite: CS 1302 with a grade of “C” or better. Shows experienced object-oriented programmers how to develop complete and stand-alone client-server applications using Visual Basic. The topics considered include basics of event-driven programming, error handling, data-bound controls, ADO, SQL, file processing, classes, collection classes, DLL and EXE servers, creating Active X controls, COM, automation, packaging, and deployment.
- CS 3335 The C Programming Language** 3-0-3
Prerequisite: CS 1302 with a grade of “C” or better. Programming using the C programming language. Syntax and semantics of C; information representation; stylistic consideration; the C library. This course also discusses issues relating to the UNIX operating system.
- CS 3340 Web Programming** 3-0-3
Prerequisite: CS 1302 with a grade of “C” or better. Examination and implementation of the foundations of web-based computing. Topics include Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), client-side scripting, server-side programming, state management, data access, Extensible Markup Language (XML), web services, and component-based development.
- CS 3410 Data Structures** 3-0-3
Prerequisite: CS 1302 with a grade of “C” or better. Trees, graphs, and other forms of data structures and their implementations. Emphasizing abstract data types; static memory allocation vs. dynamic storage allocation; searching, hashing, and sorting methods; algorithm analysis.
- CS 3520 Algorithms** 3-0-3
Prerequisite: CS 3410 with a grade of “C” or better. Sequential and parallel algorithms for solving a variety of different problems; paradigms for algorithms; algorithm analysis; NP-complete problems.
- CS 3700 Introduction to E-Commerce** 3-0-3
Prerequisite: CS 1302 with a grade of “C” or better. An introduction to e-commerce trends, technologies, and strategies. Topics include the importance and impact of e-commerce, business-to-consumer, business-to-business, wireless networks, mobile commerce, online marketing, web services, supply chains, electronic payment, security, and legal issues.

- CS 4121 Data Communications and Networks I** 3-0-3
Prerequisites: CS 3101 and CS 3410, each with a grade of “C” or better. Basic concepts of data communications and computer networks architectures: including OSI and TCP/IP models, packet switching, local area and high speed networks. Error control, routing, and transmission media.
- CS 4122 Data Communications and Networks II** 3-0-3
Prerequisite: CS 4121 with a grade of “C” or better. A continuation of CS 4121 in which advanced topics in data communication and networking are studied
- CS 4123 Project in Data Communications and Networks** 3-0-3
Prerequisite: CS 4122 with a grade of “C” or better. Students will work together in teams on a major data communications/networking project. Data communications and networking principles, tools, and techniques are stressed.
- CS 4321 Software Engineering I** 3-0-3
Prerequisite: CS 3410 with a grade of “C” or better. Early stages of the software-development process, with emphasis upon analysis and specification. Also, life-cycle definition, software project management, the computer as a system component, and object-oriented approaches. CASE tools will be used as appropriate.
- CS 4322 Software Engineering II** 3-0-3
Prerequisite: CS 4321 with a grade of “C” or better. The later stages of the software-development process with emphasis upon design, implementation, verification/ validation, and maintenance. Also, human factors, object-oriented techniques, reliability, and quality-assurance issues.
- CS 4323 Project in Software Engineering** 3-0-3
Prerequisite: CS 4322 with a grade of “C” or better. Students will work together in teams on a major software development project. Software engineering principles, tools, and techniques are stressed.
- CS 4330 Theory of Programming Languages** 3-0-3
Prerequisite: CS 3410 with a grade of “C” or better or consent of instructor. Formal description of programming languages, standard and advanced features of modern programming languages, complexity.
- CS 4335 Principles of Compiler Design** 3-0-3
Prerequisites: CS 3102 and CS 3410, each with a grade of “C” or better. Introduction to programming language structure, lexical analysis, syntax analysis, code generation, and optimization. A large programming project will be required.
- CS 4340 Systems Programming** 3-0-3
Prerequisite: CS 3410 with a grade of “C” or better. Implementation of concepts pertaining to the UNIX environment: process control and interprocess communication, job control, file and directory structures, and client/server processes.
- CS 4345 Operating Systems** 3-0-3
Prerequisites: CS 3101 and CS 3410, each with a grade of “C” or better. A survey of operating systems structures and services including batch systems, multiprogramming, time-sharing, process scheduling and synchronization, deadlocks, memory management, file-system interfaces and implementations, and secondary storage management.
- CS 4500 Foundations of Computer Science** 3-0-3
Prerequisites: CS 2620 and CS 3410, each with a grade of “C” or better. Concepts pertaining to regular expressions, finite state machines, regular languages, regular grammars, non regular languages, decidability, context-free grammars, and Turing machines.
- CS 4700 E-Commerce Design** 3-0-3
Prerequisite: CS 3410 with a grade of “C” or better. An in-depth study of e-commerce implementation. Through programming projects, students will learn e-commerce design principles, tools, and techniques.

- CS 4721 Database Design I** 3-0-3
Prerequisite: CS 3410 with a grade of “C” or better. The logical organization of databases: the entity-relationship model; the hierarchical model, network, and relational models. Hardware characteristics; file organization and evaluation. Functional dependencies and normal forms. Query optimization, concurrency control, and distributed database systems.
- CS 4722 Database Design II** 3-0-3
Prerequisite: CS 4721 with a grade of “C” or better. An in-depth study of advanced database design and implementation concepts including transaction processing, concurrency, control techniques, recovery techniques, distributed databases and client/server architecture, and security and authorization.
- CS 4723 Project in Database Design** 3-0-3
Prerequisite: CS 4722 with a grade of “C” or better. Students will work together in teams on a major database development project. Database development principles, tools, and techniques are stressed.
- CS 4820 Artificial Intelligence** 3-0-3
Prerequisites: CS 2620 and CS 3410, each with a grade of “C” or better. Definition of artificial intelligence, Common Lisp, logic programming, search techniques, knowledge representation including schemas and scripts, ART-enterprise as an expert system, and principles of expert systems.
- CS 4825 Neural Networks** 3-0-3
Prerequisites: MATH 2150 and MATH 2262, each with a grade of “C” or better. Concepts pertaining to neural networks including: definition of neural intelligence, basic neural computational models, learning: supervised and unsupervised, knowledge bases neural networks, back-propagation neural networks, radial basis neural networks.
- CS 4830 Computer Graphics** 3-0-3
Prerequisites: CS 3410 and MATH 2150, each with a grade of “C” or better. A survey of graphics systems and graphics programming. Topics include output primitives, transformations and viewing, modeling, user interfaces, and interactive methods. Both 2-D and 3-D concepts are discussed.
- CS 4900 Senior Seminar** 3-0-3
Prerequisites: CS 3101 and CS 3410, each with a grade of “C” or better, and senior standing. A capstone experience intended primarily for computing majors that combines societal, ethical, and legal implications and trends of computing with the development of research and communication skills for the profession. Topics include societal effects of computing, ethics in the field, legal issues, professional literature and organizations, current industrial, social, legal, governmental, and technical developments, research methodology, and career opportunities. Involves extensive reading and writing (both technical and non-technical), as well as library research, prepared group discussions, and oral presentations.
- CS 4950 Directed Study in Computer Science** 1-0-1 to 3-0-3
Prerequisite: Consent of instructor. The student will undertake at least one major computer-science project under the supervision of the instructor. Credit will be assigned on the basis of the effort required by the project. May be taken more than once if topics are different.
- CS 4990 Topics in Computer Science** 1-0-1 to 3-0-3
Prerequisite: Consent of instructor. Topics to be assigned. May be taken more than once if topics are different.

CWCL: CREATIVE WRITING

- CWCL 3400 Introduction to Creative Writing** 3-0-3
Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. An introduction to the stylistic conventions and techniques of poetry and prose. The course also emphasizes techniques of literary invention and offers a brief exposure to the analysis and critique of peer texts.
- CWCL 3420 Introduction to Creative Non-Fiction** 3-0-3
Prerequisite: ENGL 3400 or CWCL 3400. An introduction to non-fiction writing which employs a variety of literary techniques common in literary journalism and fiction writing. Students will read model texts and further develop workshop and revision techniques in order to produce a carefully revised piece of their own non-fiction.
- CWCL 3440 Poetry Writing** 3-0-3
Prerequisite: ENGL 3400 or CWCL 3400. A study of poetic technique beyond the fundamentals introduced in ENGL/CWCL 3400. The course emphasizes prosody and poetic forms, both prescribed and organic. Students receive further training in workshop techniques via the analysis of poems produced by class members.
- CWCL 3460 Fiction Writing** 3-0-3
Prerequisite: ENGL 3400 or CWCL 3400. A craft-oriented course devoted to the genre of the modern short story. Students will study classic stories by writers such as Chekhov, Maupassant, O'Connor, and more recent award-winning writers as well as undertaking exercises in technique and producing at least two stories of their own.
- CWCL 4410 Contemporary Poetics: Form and Theory** 3-0-3
Prerequisite or co-requisite: ENGL 3060. A study of key formal and theoretical elements of 20th and 21st century Anglophone poetry and poetry in translation. The course will poetry as genre, with a reflection on craft and issues in prosody.
- CWCL 4420 Contemporary Narrative: Form and Theory** 3-0-3
Prerequisite or co-requisite: ENGL 3060. A study of key formal and theoretical elements of 20th and 21st century Anglophone fiction and fiction in translation. The course will emphasize the novel as genre, with a reflection on craft and narrative history and analysis.
- CWCL 4430 Contemporary Creative Non-Fiction: Form and Theory** 3-0-3
Prerequisite: ENGL 3400. A study of key formal and theoretical elements in 20th and 21st century Anglophone creative nonfiction and creative nonfiction in translation. The course will emphasize creative nonfiction as genre, with a reflection on craft and issues related to its narrative and lyric structures.
- CWCL 4440 Advanced Poetry Writing** 3-0-3
Prerequisite: CWCL 3440. A workshop-intensive course emphasizing technical analysis of poems produced by members of the class. The course also emphasizes the application of various aesthetic theories, and students will articulate their own poetics.
- CWCL 4460 Advanced Fiction Writing** 3-0-3
Prerequisite: CWCL 3460. A workshop-intensive course in fiction writing. Students will produce their own work and study narrative alternatives and storytelling strategies. Students will also read book-length story collections and/or novels and write stylistic analyses of a major contemporary writer.

DANC: DANCE

- DANC 1500 Introduction to Dance** 3-0-3
A general survey and appreciation of dance as an art form, an introduction to dance history and a critical evaluation of dance.
- DANC 1600 Ballet I** 1-2-2
Basic techniques and theories of classical ballet. Emphasizes body placement, awareness, strength, stretch, and terminology. May be repeated for credit.
- DANC 1700 Modern Dance I** 1-2-2
Basic modern dance techniques and theories. May be repeated for credit.
- DANC 1900 Tap Dance I** 1-2-2
Basic skills in tap dancing. May be repeated for credit.
- DANC 2600 Ballet II** 2-2-3
Prerequisite: DANC 1600 or approval of department head. A continuation of Ballet I (DANC 1600). May be repeated for credit.
- DANC 2700 Modern Dance II** 2-2-3
Prerequisite: DANC 1700 or approval of department head. A continuation of Modern I (DANC 2600). May be repeated for credit.
- DANC 2800 Jazz Dance I** 1-2-2
Basic jazz dance techniques and theories. May be repeated for credit.
- DANC 2900 Tap Dance II** 1-2-2
Prerequisite: DANC 1900. A continuation of Tap Dance I (DANC 1900). May be repeated for credit.
- DANC 2910 Social Dance** 0-2-1
Introduction to history, terms, positions and movements. Psychomotor instruction in social dance forms from the turn of the century to the present.
- DANC 2920 Dance Improvisation** 0-2-1
An introduction to dance improvisation. Movement studies will be based on modern dance techniques and theories.
- DANC 3000 Dance Composition** 2-2-3
Prerequisite: DANC 1600 or DANC 1700 or approval of department head. The study of the tools of dance composition, creating individual and group studies, and solving dance composition problems.
- DANC 3100 Choreography** 2-2-3
Prerequisite: DANC 3000 or approval of department head. An application of the fundamentals of dance composition to choreographic projects. Emphasis is also placed on exploring, analyzing, and experimenting with problems in dance performance and production.
- DANC 3200 Dance Ensemble** 0-4-2
Prerequisite: Audition by instructor. A select ensemble emphasizing group and solo performance. May be repeated for a total of 6 credit hours.
- DANC 3300 Special Topics in Dance** 1 to 3 hours credit
The study of specific topics in dance not covered in existing courses. May be repeated for credit if different topics are studied.
- DANC 3400 Rhythmic and Recreational Dance** 1-2-2
History and methods of teaching ballroom and square dancing.
- DANC 3410 Dance History** 3-0-3
A broad survey of dance history with emphasizes on the impact of dance on society from primitive times to the present.

- DANC 3420 Music Analysis for Dancers** 1-2-2
Prerequisite: Any 2000-level DANC course. A study of rhythm, accompaniment, and music resources for dance.
- DANC 3500 Teaching Dance Technique** 1-2-2
Prerequisites: Training in intermediate dance forms, DANC 2700, DANC 2800, and DANC 2600, or approval of instructor. Methodology in teaching dance techniques and theories within the context of elementary through college dance education. The course includes instruction in and application of dance lesson planning and practice teaching in a variety of genres.
- DANC 3600 Ballet III** 2-2-3
Prerequisite: DANC 2600 or approval of department head. A continuation of Ballet II with emphasis on developing the refined movements of ballet techniques and theories. May be repeated for credit.
- DANC 3700 Modern Dance III** 2-2-3
Prerequisite: DANC 2700 or approval of department head. A continuation of Modern Dance II with emphasis on developing advanced skills in modern techniques and theories. May be repeated for credit.
- DANC 3800 Jazz Dance II** 1-2-2
Prerequisite: DANC 2800 or approval of department head. A continuation of Jazz Dance I. May be repeated for credit.
- DANC 4000 Pointe and Variation** 1-2-2
Prerequisite: DANC 3600 or approval of department head. The study of pointe technique, the teaching of specific classical ballet variations and partnering skills for both the male and female dancer. May be repeated for credit.
- DANC 4010 Dance Kinesiology** 3-0-3
Prerequisites: Completion of DANC courses in Area F: DANC 1600, DANC 1700, DANC 2800, DANC 2920. An intensive study in the field of dance science. Emphasis is placed on principles of kinesiology applied to dance movement, anatomical analysis, conditioning, and injury prevention. Special attention will be given to the application of information to technique class, rehearsal, choreography, and individual anomalies.
- DANC 4020 Conditioning and Wellness for Dance** 3-0-3
Prerequisite: DANC 4010 or permission of instructor. An in-depth study of dance science principles addressing conditioning and wellness techniques specific to dance. This course includes both physical and cognitive components.
- DANC 4600 Ballet IV** 2-2-3
Prerequisite: DANC 3600 or permission of instructor. A continuation of Ballet III, with an emphasis on developing advanced skills in ballet techniques and theories. May be repeated for credit.
- DANC 4700 Modern Dance IV** 2-2-3
Prerequisite: DANC 3700 or permission of instructor. A continuation of Modern Dance III, with an emphasis on developing advanced skills in modern dance techniques and theories. May be repeated for credit.
- DANC 4800 Jazz Dance III** 2-2-3
Prerequisite: DANC 3800 or permission of instructor. A continuation of Jazz Dance II. May be repeated for credit.

ECED: EARLY CHILDHOOD EDUCATION

- ECED 2999 Entry to the Education Profession** 0 hours credit
Graded “Satisfactory” or “Unsatisfactory.” A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an “Unsatisfactory” grade is earned, the course must be repeated until a “Satisfactory” grade is received.
- ECED 3000 Integrating and Applying Technology into the ECE Curriculum** 3-0-3
Prerequisites: ECED 2999 or SPEC 2999. Explores the intergration and application of technology into the early childhood curriculum. Achieved through modeling and applying teaching and learning strategies; discussions of technology and pedagogy; strategies of classroom management; the review and evaluation of technology and software appropriate for use with young children; and the development of intergrated technology learning activities, which include the Georgia Performance Standards.
- ECED 3190 Practicum I: Classroom Management & Environmental Design PreK–K** 1-3-1
Prerequisite: ECED 2999. Supervised classroom experience in selected pre-kindergarten and kindergarten classrooms. Students work under the supervision of mentor teachers and university supervisors. Emphasis will be on principles of classroom management and the arranged environment.
- ECED 3300 Teaching Mathematics and Science to Young Children** 3-0-3
Prerequisites: ECED 2999. Recent developments in curriculum and methods of instruction of contemporary school mathematics and science programs in grades P-5. Students will become acquainted with manipulatives, technology, and other resources essential to prospective teachers of young children.
- ECED 3400 Planning for Instruction and Classroom Management** 3-0-3
Prerequisites: ECED 2999. Fundamentals of teaching across all content area subject matter will be explored including models of teaching, lesson and unit planning, and creating a classroom environment that is conducive to learning.
- ECED 3690 Practicum II: Classroom Management & Environmental Design K-3** 1-3-1
Prerequisites: ECED 2999. Supervised classroom experience in selected kindergarten through third grade classrooms. Students work under the supervision of mentor teachers and university supervisors. Emphasis will be on principles of classroom management and the arranged environment.
- ECED 4300 Teaching Language Arts in Early Childhood Education** 3-0-3
Prerequisites: ECED 2999 or SPEC 2999. The application of methods for teaching listening, speaking, reading, writing, viewing, and visually representing in early childhood. Emphasis is placed on methods of process writing for the genres of journal, descriptive, letter, biographical, narrative, and poetic writing.
- ECED 4400 Social Science Methods in Early Childhood** 3-0-3
Prerequisites: ECED 2999. Recent developments in curriculum and methods of instruction for the teaching of social sciences in grades P-5
- ECED 4690 Practicum III: Classroom Management & Environmental Design 3-5** 0-3-1
Prerequisites: ECED 2999. Supervised classroom experience in selected third-grade through fifth-grade classrooms. Students work under the supervision of mentor teachers and university supervisors. Emphasis will be on principles of classroom management and the arranged environment.

ECED 4790 Student Teaching & Reflective Seminar **12 hours credit**

Prerequisite: Completion of all requirements to student teach as listed in the university's undergraduate catalog. A full-day, semester-long experience in an early childhood classroom (P-5) under the direct supervision of an assigned mentor teacher and university supervisor. The seminar examines interrelationships of home, school, and community resources and other topics related to the student teaching experience.

ECED 4890 Internship in Early Childhood Education **12 hours credit**

Prerequisites: Completion of requirements to student teach as listed in the University's Undergraduate Catalog, submission of passing scores on Praxis II, and certification by a school district of the status of the candidate as an employee. **Credit:** Course completion requires a two-semester internship, taken for a total of 12 hours (6 hours each semester). Guided professional experiences in an early childhood classroom (P-5) as a capstone/culminating activity of the Early Childhood Education Program. Students teach and manage a classroom under the guidance of a mentor teacher and university professor. Experience includes observations, participation, teaching, classroom management, and collaboration with school personnel.

ECON: ECONOMICS

ECON 1500 Survey of Economics **3-0-3**

A survey of basic economic concepts with applications to public policy issues.

ECON 1900H Honors Economics **3-0-3**

Seminar-oriented approach to basic economic concepts with applications to policy issues. A research project on public policy is required.

ECON 2105 Principles of Macroeconomics **3-0-3**

An introduction to macroeconomic concepts and their application to aggregate economic activity. Factors influencing rates of economic growth, employment and inflation are emphasized. Measures of aggregate economic activity and policies to control it are covered.

ECON 2106 Principles of Microeconomics **3-0-3**

An introduction to microeconomic concepts and their application to the behavior of individuals, firms, and market groups. Special emphasis is placed on market analysis, production and cost concepts, profit analysis, and market structure. Current microeconomic issues, including market failures and the role of government in markets, are covered.

ECON 3000 Research and Analytical Methods in Economics **3-0-3**

Prerequisites: ECON 2105 and ECON 2106. **Co-requisites:** MATH 1261 and either BUSA 2100 or MATH 2620. Introduction to applied research and quantitative analysis. The course includes the components of a research paper, data sources, software used for empirical research, and basic statistical and econometric techniques widely used in modern economic research.

ECON 3001 Mathematics for Economists **3-0-3**

Prerequisites: ECON 2105, ECON 2106, and MATH 1261. Introduction to mathematical concepts and techniques used in economic analysis. Topics covered will include algebraic analysis of supply and demand, calculus, and their applications to economic theory.

ECON 3200 Industrial Organization **3-0-3**

Prerequisites: ECON 2106, MATH 1261, and either BUSA 2100 or MATH 2620. A study of market structures, including perfect and monopolistic competition, monopoly, and oligopoly. Pricing behavior of firms, economics of information and advertizing, and anti-trust laws and policies will be analyzed.

- ECON 3300 Economic History of the United States** 3-0-3
Prerequisite: ECON 1500 or ECON 2105. Economic interpretation of United States history and study of economic problems in historical perspective.
- ECON 3400 Public Finance and Fiscal Policy** 3-0-3
Prerequisite: ECON 2105, ECON 2106, and MATH 1261. Comprehensive treatment of economic theory and applications in the field of public finance and fiscal policy. Includes the study of market failure, the provision of public goods, benefit/cost analysis, public expenditures, and the principles of government finance.
- ECON 3600 International Economics** 3-0-3
Prerequisite: ECON 2105, ECON 2106, and MATH 1261. Survey of the international exchange of goods, services and financial instruments and the policies that affect this exchange. Topics include pattern of trade, effects of trade controls, trade and growth, trade and the distribution of income, balance of payments accounting, exchange rate systems and the effect of trade on employment, prices, and production.
- ECON 3710 Urban and Regional Economics** 3-0-3
Prerequisites: ECON 2105, ECON 2106, and MATH 1261. Factors that influence the type, level, and location of urban and regional activities. The special aspects of poverty, land use, urban environment, and rural development are explored.
- ECON 3750 Money and Banking** 3-0-3
Prerequisite: ECON 2105. Analysis of financial intermediaries, instruments and markets in determining the level and distribution of economic activity.
- ECON 3800 Environmental Economics** 3-0-3
Prerequisites: ECON 2106 and MATH 1261. Application of microeconomic principles to environmental and natural resource policy. Topics include economic efficiency and market failure, valuing the environment, pollution control, exhaustible and renewable resource policy, waste and toxic substance disposal, and the effect of industry and agriculture on the environment.
- ECON 3810 Health Economics** 3-0-3
Prerequisites: ECON 2106 and MATH 1261. Comprehensive introduction to the economics of health and health care. Topics include the market for health care, private insurance and health care providers, social insurance, and health system reform.
- ECON 3850 Sustainability: An Economic Perspective** 3-0-3
Introduction to economic analysis related to sustainability literature. Topics covered will include the depletion of fisheries, population growth, ecological footprints, corporate environmental responsibility, socially responsible investing, green GDP, and industrial symbiosis.
- ECON 3860 Labor Economics and Labor Relations** 3-0-3
Prerequisites: ECON 2106 and MATH 1261. Investigation of the workings and outcomes of the labor market. Topics include the determination of wages, wage differentials, the impact of unions, and the process of collective bargaining.
- ECON 4100 Managerial Economics** 3-0-3
Prerequisites: ECON 3000 and ECON 3001. Analysis of major decision-making areas within the firm. Students are introduced to demand forecasting techniques, advanced production and cost relationships, and optimal pricing models.
- ECON 4500 Intermediate Macroeconomics** 3-0-3
Prerequisite: ECON 3001. Analysis of the factors that influence national income, long-run economic growth, unemployment, and inflation. Using various macroeconomic models, students develop the analytic tools and insights required to evaluate the sources of business cycle fluctuations. The impacts of fiscal and monetary policy decisions are emphasized.
- ECON 4640 International Macroeconomics** 3-0-3
Prerequisite: ECON 4500. Advanced study of the international exchange of financial instruments and the effects of this exchange on employment, prices, production and the balance of trade (payments). International macroeconomic policy is emphasized.

- ECON 4800 Current Issues in Economics** 3-0-3
Prerequisites: ECON 2105 and ECON 2106. Study of a specific, current topic or topics in the field of economics. May be repeated once for additional credit with prior approval of advisor and instructor if different topics are covered in the subsequent course.
- ECON 4900 Economic Research** 3-0-3
Prerequisites: ECON 3000, ECON 3001, and senior standing. Study of methods and techniques of economic research. Topics include hypothesis development, modeling, data sources, analytical methods, and presentation techniques. A research paper is required.
- ECON 4990 Directed Study in Economics** 3 hours credit
Prerequisites: ECON 3000 and ECON 3001. Directed research or reading in economics. Proper form must be submitted to the Dean of the College of Business Administration at least two weeks before the beginning of the semester.

EDUC: EDUCATION

- EDUC 2110 Investigating Critical and Contemporary Issues in Education** 3-1-3
 Observations, interactions, and analyses of critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy.
- EDUC 2120 Exploring Socio-Cultural Perspectives On Diversity** 3-1-3
 Fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine the nature and function of culture; the development of individual and group cultural identity; definitions and implications of diversity; and the influences of culture on learning, development, and pedagogy.
- EDUC 2130 Exploring Learning and Teaching** 3-1-3
 Key aspects of learning and teaching through examination of one's own learning processes and those of others, with the goal of applying this knowledge to enhance the learning of all students in a variety of educational settings and contexts.

ENGL: ENGLISH

- ENGL 0099**
 See the Learning Skills section on the last page of the course offerings.
- ENGL 1101 Composition I** 3-0-3
 A composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation, and also including introductory use of a variety of research skills. Students will develop analytical and evaluative skills by reading and writing expository and/or argumentative essays.
- ENGL 1101H Honors Composition I** 3-0-3
 An honors-level composition course focusing on skills required for effective writing in a variety of contexts with emphasis on more advanced forms of critical analysis, exposition, and argumentation/persuasion, and also stressing introductory use of a variety of research skills.
- ENGL 1102 Composition II** 3-0-3
Prerequisite: ENGL 1101 or ENGL 1101H. A composition course focusing on writing skills beyond the levels of proficiency required by ENGL 1101 that emphasizes interpretation and evaluation and that incorporates a variety of more advanced research skills. Students will learn to organize and present ideas and information effectively in research essays.

- ENGL 1102H Honors Composition II** 3-0-3
Prerequisite: ENGL 1101 or 1101H. An honors-level composition course, focusing on writing skills beyond the levels of proficiency required by ENGL 1102, that emphasizes advanced rhetorical strategies and argument/persuasion. The course also stresses, via an array of theme-based studies, more varied forms of interpretation and evaluation and incorporates more advanced research skills than those taught in ENGL 1102.
- ENGL 2000 Writing for Teachers** 3-0-3
Prerequisites: Grade of “C” or better in ENGL 1101 and 1102. A writing-intensive course focusing on the analysis and production of discourse in various genres. Required for ECE and MGE majors.
- ENGL 2060 Introduction to English Studies** 3-0-3
Prerequisite: ENGL 1102 or ENGL 1102H. An introduction to the field of English studies, focusing on the skills in writing, critical reading, interpretation, research, and bibliography as well as on the major critical approaches to language and literature essential to work in the discipline. Required of all English majors.
- ENGL 2110 World Literature I: The Ancient World** 3-0-3
Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature from the beginning of writing to the end of the classical period. This course presents myths, epics, dramas, and prose works from the Hebrew, Greek, Roman, and other traditions that laid the foundation for modern intellectual thought. Selections from such writers as Homer, Sophocles, and Plato and such works as the Bible and the Koran will be presented in their historical and cultural contexts.
- ENGL 2110H Honors World Literature I: The Ancient World** 3-0-3
Prerequisite: ENGL 1102 or 1102H. An in-depth study of selected works of literature and their cultural backgrounds from the beginning of writing to the end of the classical period. This course, multicultural and comparative in focus, presents myths, epics, dramas, and prose works from western and non-western traditions that laid the foundation for modern intellectual thought.
- ENGL 2120 World Literature II: The Age of Discovery** 3-0-3
Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the 14th into the 17th century. This course includes introductions to the Medieval and Renaissance frames of mind and puts works such as those by Dante, Chaucer, Machiavelli, Shakespeare, and Milton in the context of modern intellectual issues.
- ENGL 2120H Honors World Literature II: The Age of Discovery** 3-0-3
Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the Middle Ages into the 17th century. This course includes introductions to the Medieval and Renaissance frames of mind of western Europe as well as adding multicultural aspects. Trends in the development of modern thought are emphasized, with a focus on intellectual history.
- ENGL 2130 World Literature III: The Development of Modern Thought** 3-0-3
Prerequisite: ENGL 1102 or 1102H. A study of selected works of literature and their cultural backgrounds from the 17th century to the present. This course includes introductions to the Enlightenment, Romantic, Victorian, Modern, and Contemporary periods. Selected works from writers such as Molière, Pope, Rousseau, Wordsworth, Keats, the Brownings, Eliot, and Faulkner will be presented, emphasizing major trends in the development of modern thought.
- ENGL 2130H Honors World Literature III: The Development of Modern Thought** 3-0-3
Prerequisite: ENGL 1102 or 1102H. An in-depth study of selected works of literature and their cultural backgrounds from the 17th century to the present. This course includes introductions to the major concepts and themes represented in trans-national and trans-generic

literary texts from periods such as the Enlightenment, Romantic, Victorian, Modern, and Contemporary. Special emphasis on multicultural and comparative aspects of the literature and on large, overarching themes and concepts.

ENGL 2140 World Literature IV: The Genres of World Literature 3-0-3

Prerequisite: ENGL 1102 or 1102H. A study of literary forms of cultural expression. This course will cover works written in a broad range of cultures and periods and will include introductions to major genres of world literature such as epic, drama, prose fiction, and film. Selected works by figures such as Homer, Shakespeare, Ibsen, Austen, and Kurosawa will be presented, emphasizing the connections between form, function, and culture.

ENGL 3010 Writing for Business 3-0-3

Prerequisites: ENGL 1102 or 1102H. An advanced writing course focusing on the elements of effective writing, particularly as they apply to business and the professions.

ENGL 3020 Technical Writing 3-0-3

Prerequisite: ENGL 1102 or 1102H. An advanced writing course focusing on the elements of effective writing, particularly as they apply to the sciences, industry, and other technology-oriented fields.

ENGL 3030 Writing for the Legal and Social Science Professions 3-0-3

Prerequisites: ENGL 1102 or 1102H. An advanced writing course focusing on the strategies used to write clear and effective legal and social science communications including memos, case reports, proposals, and briefs.

ENGL 3050 Tutoring English Composition 1-0-1

Prerequisites: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2140, or 2060. A review of the principles of English composition with focus on the revision of student writing. Includes instruction in the holistic evaluation and careful rhetorical analysis of student writing, discussion of the proper scope and available avenues of revision, and examination of the use of computers in the writing and revision process. Students will have supervised tutoring experience.

ENGL 3060 Literary Research and Writing 3-0-3

Prerequisite: ENGL 2140 or ENGL 2060. A advanced writing and research course, focusing on the interpretation and evaluation of literature as well as on the role and function of criticism in the study of literature.

ENGL 3080 Grammar and Editing 3-0-3

Also offered as JOUR 3080. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. An intensive review of grammar and usage as well as an introduction to the purposes, practices, and techniques of editing standard English. The grammar section of the course will cover such topics as parts of speech and their uses, sentence elements and their effective uses, agreement, punctuation, and parallelism. Students will also be taught fundamental approaches to editing and the practical application of editing techniques.

ENGL 3090 Advanced Composition 3-0-3

Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. A study of various rhetorical strategies with regular writing assignments emphasizing logical organization of thought and effective composition. The course will develop sound grammatical and compositional skills to a level clearly superior to that of ENGL 1102.

ENGL 3110 British Literature I 3-0-3

Prerequisite: ENGL 2140 or 2060. A survey of the historical and formal development of British literature through the mid-18th century. Emphasis on major writers and movements as well as on terms relevant to the study of British literature.

ENGL 3120 British Literature II 3-0-3

Prerequisite: ENGL 2140 or 2060. A survey of the historical and formal development of British and post-Colonial literature from the late 18th century to the present. Emphasis on major writers and movements as well as on terms relevant to the study of British literature.

- ENGL 3210 American Literature** 3-0-3
Prerequisite: ENGL 2140 or 2060. A survey of the historical and formal development of American literature. Emphasis on major writers and movements as well as on terms relevant to the study of American literature.
- ENGL 3220 Studies in African American Literature** 3-0-3
Also offered as AFAM 3220. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. A study of selected topics in African-American literature. May be repeated, but only 3 hours may be counted toward distribution requirements for the English major.
- ENGL 3300 Special Studies in Literature** 3-0-3
Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. Studies of selected topics in literature.
- ENGL 3320 Studies in African Literature** 3-0-3
Also offered as AFAM 3320. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. A study of selected topics in African literature. May be repeated, but only 3 hours may be counted towards distribution requirements for the English major.
- ENGL 3330 Studies in Women and Literature** 3-0-3
Also offered as WMST 3330. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. An examination of selected topics in literature by or about women.
- ENGL 3600 Introduction to Professional Writing** 1-0-1
Prerequisite or co-requisite: ENGL 3060 or 3080, depending upon major track. An introduction to careers in professional writing as well as to the required skills, applicable technology, and related professional concerns.
- ENGL 4110 Studies in British Literature to 1500** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of medieval literature, focusing on major works, figures (three or more), and/or themes.
- ENGL 4120 Studies in British Literature 1500-1660** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Renaissance period, focusing on major works, figures (three or more), and/or themes.
- ENGL 4130 Studies in British Literature 1660-1800** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Restoration and 18th century, focusing on major works, figures (three or more), and/or themes.
- ENGL 4140 Studies in British Literature: The Romantics** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Romantic period, focusing on major works, figures (three or more), and /or themes.
- ENGL 4145 Studies in British Literature: The Victorians** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of British literature of the Victorian period, focusing on major works, figures (three or more), and /or themes.
- ENGL 4150 Studies in 20th-Century British Literature** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of British and Post-Colonial literature of the 20th century, focusing on major works, figures (three or more), and/ or themes.
- ENGL 4210 Studies in American Literature to 1800** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of the literature of America from its beginning to 1800, focusing on major works, figures (three or more), and/or themes.
- ENGL 4220 Studies in American Literature 1800-1865** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of the literature of America from 1800 to 1865, focusing on major works, figures (three or more), and/or themes.
- ENGL 4230 Studies in American Literature 1865-1914** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of literature of America from 1865 to 1914, focusing major works, figures (three or more), and/or themes.

- ENGL 4240 Studies in American Literature after 1914** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of literature of America after 1914, focusing on major works, figures (three or more), and/or themes.
- ENGL 4300 Special Topics** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. Studies of literature focusing on selected topics.
- ENGL 4310 Studies in Major Writers** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of the interrelationship of the life and works of one or at most two major figures in literature.
- ENGL 4320 Studies in Poetry** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of the historical and formal development of poetry.
- ENGL 4330 Studies in Prose** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of the historical and formal development of prose (fiction and/or non-fiction).
- ENGL 4340 Studies in Drama** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of the historical and formal development of drama.
- ENGL 4350 Studies in Criticism/Theory** 3-0-3
Prerequisite or Co-requisite: ENGL 3060. A study of literary theory and criticism since Plato, with special emphasis on contemporary theories.
- ENGL 4500 Document Design** 3-0-3
Also offered as JOUR 4500. Prerequisite or corequisite: JOUR 3510, ENGL 3060, or ENGL/JOUR 3080, or permission of instructor. A study of theory of layout and design, including editorial decision making, photo editing, and production technology for print and on-line media.
- ENGL 4520 Literary Journalism** 3-0-3
Also offered as JOUR 4520. Prerequisite or corequisite: JOUR 3510, ENGL 3060, or ENGL/JOUR 3080, or permission of instructor. A study of the theory and practice of applying fiction techniques to journalistic fact. The course will explore the relationship between literature and journalism, especially in terms of style and subject matter.
- ENGL 4600 Issues in Professional Writing** 3-0-3
Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major track. An advanced writing course examining the application of selected professional writing strategies and principles to contexts in which key rhetorical issues arise. These issues include argument, audience, collaboration, ethics, ethos, purpose, and style.
- ENGL 4610 History of the English Language** 3-0-3
Prerequisite or corequisite: ENGL 3060 or ENGL 3080. A study of the origins and development of the English language.
- ENGL 4620 Survey of the History of Rhetoric** 3-0-3
Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major program. A study of rhetorical theory and its major figures from the classical period to the present.
- ENGL 4630 Writing Technologies** 3-0-3
Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major track. A study of the technologies applicable to professional writing such as desktop publishing, on-line documentation, hypertext, and Internet resources.
- ENGL 4640 Studies in Composition Theory** 3-0-3
Prerequisite or co-requisite: ENGL 3060 or ENGL 3080, depending upon major track. A study of the theory and practice of composition pedagogy, including crafting assignments; planning, drafting, and revising texts; and evaluating student writing.

- ENGL 4700 Directed Study** 1-0-1 to 3-0-3
Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major track. Individualized studies in selected areas of language and literature, the amount of credit depending upon the requirements. Permission to enroll must be secured from the instructor.
- ENGL 4800 Internship in English** 3 to 12 hours credit
Prerequisite or corequisite: ENGL 3060 or 3080, depending upon major track. Graded "Satisfactory" or "Unsatisfactory." Supervised work involving writing, for example, in a law office, an agency, a publishing company, or a business. The amount of credit depends upon the requirements. Permission to enroll must be secured from the adviser and the department head.
- ENGL 4900 Senior Seminar** 3-0-3
Prerequisite or corequisite: senior standing and ENGL 3060 or 3080, depending upon major track. A capstone course, focused on selected topics and projects appropriate to the students' track, designed to help students synthesize their knowledge and reinforce the skills they have acquired as English majors.

**For additional offerings in the Department of English, see
 English as a Second Language (ENSL), Creative Writing and
 Contemporary Literature (CWCL),
 Journalism (JOUR), and Linguistics (LING).**

ENGR:ENGINEERING

- ENGR 1010 Technological Problem Solving** 3-0-3
Prerequisite: MATH 1111 or higher. Development of the features and principles of problem solving techniques based on a variety of fundamental models for general application, such as physical component, sketching, graphical, and mathematical models. Emphasis is placed on solving problems of a technological nature.
- ENGR 2010 Introduction to Engineering** 3-0-3
 Interpretation of the scope of engineering; introduction to engineering disciplines that form the basis for a variety of career opportunities; engineering design as creative problem solving; lessons from design failures; professionalism and ethics; introduction to problem solving using MATLAB.
- ENGR 2200 Statics** 3-0-3
Prerequisite: PHYS 2211; **prerequisite or corequisite:** MATH 2263. Elements of statics in two and three dimensions; forces and moments; particles, objects, and structures in equilibrium; centroids; distributed forces and beams; friction.
- ENGR 2310 Introduction to Signal Processing** 3-3-4
Prerequisites: CS 1301, MATH 2262. Introduction to signal processing for discrete-time and continuous-time signals. Filtering, frequency response, Fourier Transform, Z Transform. Laboratory emphasizes computer-based signal processing.
- ENGR 2320 Introduction to Computer Engineering** 3-0-3
Prerequisites: CS 1301, MATH 2262. Computer system and digital design principles; architectural concepts, software, Boolean algebra, number systems, combinational datapath elements, sequential logic, and storage elements; design of DRAM control and I/O bus. This course is taught via GSAMS.
- ENGR 2500 Engineering Graphics for Design** 2-2-3
 Introduction to engineering design and three-dimensional visualization; geometric construction; graphical projection and sketching; introduction to descriptive geometry; computer graphics.

- ENGR 3210 Dynamics** 3-0-3
Prerequisite: ENGR 2200. Kinematics and kinetics of particles; kinematics and kinetics of rigid bodies in plane motion; kinematics and kinetics of rigid bodies in three-dimensional motion
- ENGR 3220 Mechanics of Deformable Bodies** 3-0-3
Prerequisite: ENGR 2200. Definition and analysis of strain and stress, applications to axially loaded elements, torsion of circular shafts and bending of beams, introduction to simple plasticity and column stability.
- ENGR 3320 Circuit Analysis** 3-0-3
Prerequisites: ENGR 2310, PHYS2212. **Corequisite:** MATH 3340. Introduction to the basic concepts of DC and AC circuit theory and analysis.
- ENGR 4310 Thermodynamics** 3-0-3
Also offered as PHYS 4310. Prerequisites: PHYS 2211, PHYS 2212, MATH 2263, or **consent of the instructor.** Basic principles of classical thermodynamics, which includes open and closed systems for both steady and transient processes.
- ENGR 4950 Directed Study in Engineering** 1-0-1 to 3-0-3
Prerequisites: Junior standing; permission of advisor, instructor, and department head. Study in an area or subject not normally found in established courses offered by the department; may also allow student to explore in more depth an area or subject covered by the pre-engineering program. Up to maximum of 3 hours.

ENSL: ENGLISH AS A SECOND LANGUAGE

- ENSL 0100 Supplemental English for International Students** 3-0-3
Course carries institutional credit only. Required for international students scoring less than 523 on the TOEFL exam. Supplementary work in English to prepare ESL students for academic communication in a university setting. Assignments will help students improve their fluency and accuracy in both written and oral English.

FIN: FINANCE

- FIN 2380 Personal Finance** 3-0-3
Finance majors may not count this class for credit toward their degree. A non-technical introduction to personal financing decisions. Emphasis is placed on developing an understanding of budgeting, insurance, taxes, investments, home ownership and family financial planning.
- FIN 3350 Financial Management** 3-0-3
Prerequisite: ACCT 2102, ECON 2106. **Corequisite:** BUSA 2100 or MATH 2620. Introduction to the principles of financial management as applied to the firm including financial analysis, acquisition of funds, capital structure, dividend policy, working capital management, and evaluation of investment projects.
- FIN 3360 Advanced Financial Management** 3-0-3
Prerequisite: FIN 3350. Continuation of FIN 3350 with a concentration on financial analysis, valuation of assets, risk analysis, cash flow projections, and long-term financing decisions.
- FIN 3370 Financial Statement Analysis** 3-0-3
Prerequisite: FIN 3350 with a grade of "C" or better. An introduction to financial statement analysis. This course emphasizes the use of publicly disclosed financial information to enhance economic decision making.

- FIN 3650 Multinational Corporate Finance** 3-0-3
Prerequisite: FIN 3350 with a grade of “C” or better. Theory and practice of multinational corporate and bank operations. Includes the study of foreign exchange markets, risks associated with foreign exchange transactions, accounting consolidations and foreign operations, and appropriate exchange-risk hedging techniques.
- FIN 3770 Real Estate Economics** 3-0-3
Prerequisite: FIN 3350 with a grade of “C” or better. Introduction to the fundamentals of real estate; theories, tools, and techniques needed to understand real estate markets.
- FIN 4310 Problems in Financial Management** 3-0-3
Prerequisite: FIN 3360 with a grade of “C” or better. An advanced study of the principles of financial management through the use of case analysis on topics covering financial analysis and planning, valuation, capital budgeting, working capital management, and financing.
- FIN 4520 Investments** 3-0-3
Prerequisite: FIN 3350 with a grade of “C” or better. An introduction to personal investing in financial and non- financial assets including stocks, bonds, and mutual funds. A discussion of securities markets, how new issues are brought to market, and how existing securities are traded. Includes material on identifying and evaluating the risk of investing.
- FIN 4760 Financial Institution Management** 3-0-3
Prerequisite: FIN 3360 with a grade of “C” or better. Principles of financial institution management. Topics include functions and types of financial institutions, regulation of financial institutions, financial statement and performance analysis for financial institutions, credit and interest rate management, asset and liability management, and non-interest income management.
- FIN 4900 Current Issues in Finance** 3-0-3 each
Prerequisite: FIN 3360 with a grade of “C” or better. A survey of selected finance topics. The underlying theory and practical implications of these topics to the business world are examined. May be taken more than once if the topics are different, up to 9 hours.
- FIN 4980 Finance Internship** 3 hours credit
Prerequisite: Faculty approval. Graded “Satisfactory” or “Unsatisfactory.” The application of academic finance skills and values in an employment situation. A research project, approved by a faculty member and the employer, is required. May be taken more than once with Department Head approval.
- FIN 4990 Directed Study in Finance** 3 hours credit
Prerequisite: Faculty approval. A special project undertaken by the student. The project is guided by a faculty member and culminates in a research report.

FLED: FOREIGN LANGUAGE EDUCATION

- FLED 2999 Entry to the Education Profession** 0 hours credit
Graded “Satisfactory” or “Unsatisfactory.” A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an “Unsatisfactory” grade is earned, the course must be repeated until a “Satisfactory” grade is received.
- FLED 3500 Foreign Language in the Elementary School** 2-0-2
Prerequisite: FLED 2999. **Co-requisite:** FLED 3510. A study of current methodological and technological trends in curriculum and instruction at the elementary school level, including the traditional content-based foreign language in the elementary school (FLES) programs, foreign language exploratory programs (FLEX), and language immersion and two-way immersion programs.

- FLED 3510 Elementary Classroom Laboratory** 0-2-1
Prerequisite: FLED 2999. **Co-requisite:** FLED 3500. Implementation and assessment of appropriate elementary (P-5) classroom activities and lessons for second language acquisition in collaboration with a primary school teacher and university member.
- FLED 4500 Curriculum and Methods of Foreign Languages** 2-0-2
Prerequisite: FLED 2999 and Senior standing. **This a check-point course, and check-point requirements must be met. Co-requisite:** FLED 4510. Methods of teaching foreign languages at middle and the high school levels to students whose first language is English. Review of theories of second language acquisition, instructional strategies and materials, methods of evaluating proficiency and progress, curriculum, and professional organizations and resources.
- FLED 4510 Classroom Laboratory** 1-0-1
Prerequisite: FLED 2999. **Co-requisite:** FLED 4500. Implementation and assessment of appropriate classroom activities and lessons in collaboration with a secondary teacher and university faculty.
- FLED 4600 Methods and Materials for Teaching ESOL** 3-0-3
Prerequisites: LING 4000 and LING 4160. Methods of teaching English at the elementary, middle, and high school levels to students whose first language is not English. Review of theories of second language acquisition, instructional strategies and materials, methods of evaluating proficiency and progress, curriculum, and professional organizations and resources.
- FLED 4780 Internship in Foreign Language Education** **6 hours credit**
Prerequisite: Completion of course work and consent of department. Supervised teaching experience in foreign language education providing for demonstration of teaching competency. Six hours per semester for a maximum of 2 semesters.
- FLED 4790 Student Teaching** **10 hours credit**
Prerequisite: Senior Standing. **Corequisite:** FLED 4800. The capstone experience providing opportunity for students to implement theory and instructional practices in secondary classrooms; supervised observation, teaching, classroom management and evaluation; acquaintance with the administration of a school and the school program; selection and use of appropriate instructional materials; conferences with supervisors.
- FLED 4800 Senior Professional Development Seminar** 2-0-2
Prerequisite: Senior Standing. **Corequisite:** FLED 4790. The capstone experience requiring student teachers to reflect upon their teaching experiences through interactions with peers, secondary education professionals and other educators in their content area. The preparation and presentation of a portfolio reflecting their student teaching experience is required.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

FREN:FRENCH

- FREN 1001 Beginning French Language and Introduction to Francophone Cultures, I** 3-0-3
Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. FREN 1001 is not open for credit to students with two or more years of high school French or the equivalent.
- FREN 1002 Beginning French Language and Introduction to Francophone Cultures, II** 3-0-3
Prerequisite: FREN 1001 or the equivalent. A continuation of FREN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.
- FREN 1111 Intensive French Language and Francophone Cultures** 3-0-3
Prerequisite: Two or more years of high school French or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. FREN 1111 is a one-semester combination of FREN 1001 and FREN 1002. This course is designed for those students not fully prepared for the 1002 level. FREN 1111 reviews the concepts presented in FREN 1001 and advances the student through the material of FREN 1002.
- FREN 2001 Intermediate French Language & Francophone Cultures, I** 3-0-3
Prerequisite: FREN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.
- FREN 2002 Intermediate French Language & Francophone Cultures, II** 3-0-3
Prerequisite: FREN 2001 or the equivalent. A continuation of FREN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.
- FREN 2010 Intermediate Conversation** 3-0-3
A study of conversational techniques, integrating grammatical structures and appropriate vocabulary. Emphasis is given to practicing spoken French and to using audio programs to increase listening comprehension. Attention is also given to pronunciation and phonetics.
- FREN 3000 French Grammar and Composition** 3-0-3
Prerequisite: FREN 2001 and FREN 2002 or MCL departmental approval. A thorough review and expansion of the main grammatical concepts, rules, and applications studied in FREN 1001, 1111 or 1002, 2001, and 2002 courses. A practical application of grammar study through translations (English to French), formal/informal writing and refinement of self-editing skills.

- FREN 3110 French Culture and Civilization I** 3-0-3
Prerequisite: FREN 2002 or permission of instructor. A survey of the historical, sociological, literary, and artistic developments of France up to modern times. As part of the Georgia French Collaborative, this is a distance-learning course conducted in French.
- FREN 3120 French Culture and Civilization II** 3-0-3
Prerequisite: FREN 2002 or permission of instructor. A survey of the historical, sociological, philosophical, literary, and artistic developments of modern-day France and the Francophone world. As part of the Georgia French Collaborative, this is a distance-learning course conducted in French.
- FREN 3301 Conversation and Composition I** 3-0-3
Prerequisite: FREN 2002 or consent of instructor. The development of students' proficiency in spoken and written French. Conversations will be based on communicative situations which students would encounter in the French-speaking world. Written activities will enable the student to react to typical exchanges which require written responses.
- FREN 3302 Conversation and Composition II** 3-0-3
Prerequisite: FREN 3301 or consent of instructor. Continued development of students' skills in spoken and written French. The students will discuss and write topics that include narration, defense of ideas, criticism, hypotheses, literature, etc.
- FREN 3320 French Oral Expression** 3-0-3
Prerequisite: FREN 2010 or consent of instructor. A practical study of spoken French, with emphasis on communication strategies that make it easier for students to communicate in a French context. Through creative classroom activities and exercises, students learn appropriate cultural interaction while discussing ideas, exchanging opinions, and giving advice or information. Practical spoken vocabulary is stressed. Attention is given to the grammatical structure of the language.
- FREN 3400 Introduction to Literature** 3-0-3
Prerequisite: FREN 2002 or consent of instructor. The development of students' reading skills and knowledge of the major literary genres. Texts are from contemporary sources and traditional literary selections of prose, poetry, and theater.
- FREN 3410 Francophone Literature** 3-0-3
Prerequisite or co-requisite: FREN 3301 or consent of instructor. Selected works of twentieth-century Francophone writers from the French-speaking community outside of France, especially the Caribbean, Africa, and Quebec.
- FREN 3450 Current Events of the French-Speaking World** 2-0-2
Prerequisite: FREN 3301 or consent of instructor. A practical study of French TV and radio programs and other authentic media sources.
- FREN 3610 Women Writers of 17th-century France** 3-0-3
Prerequisite: FREN 3400 or consent of instructor. Selected literary works of major women writers of 17th-century France.
- FREN 3621 Survey of French Literature I** 3-0-3
Prerequisite: FREN 3400 or consent of instructor. Selected major literary works, authors, and literary movements of France from the Middle Ages through the 18th century.
- FREN 3622 Survey of French Literature II** 3-0-3
Prerequisite: FREN 3400 or consent of instructor. Selected major literary works, authors, and literary movements of France from the 19th century to the present.
- FREN 3630 Topics in French Language or Literature** 1-0-1
Prerequisite: FREN 3302 and FREN 3400 or consent of instructor. Intensive study to improve the student's ability in a particular area of French language or Francophone literature. This course requires independent work of the student and may be repeated with different topics for a total of 3 hours.

- FREN 4110 Advanced Grammar and Composition** 3-0-3
Prerequisite: FREN 2002 or consent of instructor. An advanced study of grammar, syntax, and vocabulary, with refinement of writing skills through composition. As part of the Georgia French Collaborative, this is a distance-learning course conducted in French.
- FREN 4210 Business French** 3-0-3
Prerequisite: FREN 2002 or permission of instructor. An introduction to the economic and business practices of contemporary France and the Francophone world. As part of the Georgia French Collaborative, this is a distance-learning course conducted in French.
- FREN 4400 French Phonetics and Advanced Conversation** 3-0-3
Prerequisite: FREN 3302 or consent of instructor. Study of phonetic principles and their applications.
- FREN 4420 French Translation: English to French** 3-0-3
Prerequisite: FREN 4410 or consent of instructor. Translation techniques from English to French, including idiomatic expressions and extensive practice in written French.
- FREN 4650 French Literature of the Twentieth Century** 3-0-3
Prerequisite: FREN 3622 or consent of instructor. Selected major literary works of France, from 1901 to the present.
- FREN 4950 Directed Study** 3-0-3
Prerequisite: FREN 4400, FREN 4410, or consent of instructor. Study in an area or topic of Francophone literature or the French language not normally found in established courses offered by the department. The work is done under the supervision of a professor.
- FREN 4960 Study Abroad Special Topics** 3-0-3
Consult the Department of Modern and Classical Languages regarding arrangements, requirements, and credit. May be repeated for a maximum of 9 hours if topics are different.
- FREN 4970 Study Abroad Practicum** 1 hour credit
Prerequisite: FREN 2002 or consent of the instructor. Orientation to the study abroad experience. Pre-departure sessions will focus on preparing the student to achieve the maximum learning potential from his/her stay in the selected site. Assigned readings and videos and regular discussion with the supervising instructor will familiarize the student with significant cultural practices that may differ from those of U.S. society and with geographical and historical features of the region as well as prepare him/her to function in the daily life of the community. A series of activities will be designed for the student to complete during the study abroad stay, and upon his/her return, the student will make at least three presentations related to the study abroad experience to university French classes, elementary, middle or high school classes, or community organizations. The course is a requirement for all French majors and minors who participate in a study abroad program. Credit for the course is in addition to other credit earned through the study abroad program.
- FREN 4980 Community Practicum** 1 hour credit
Graded “Satisfactory” or “Unsatisfactory.” A practical application of students’ skills in French. Students will either tutor students enrolled in public or private schools or complete a research project that requires extensive use of all language skills. This course may be repeated for up to 4 credit hours. Field trips comprise 70% of the final grade.
- FREN 4990 Senior Seminar** 3-0-3
Prerequisite: Senior Standing. An all-inclusive communication skills course. This course focuses on the four basic skills: reading, listening, speaking and writing. It is designed to assess and reinforce the skills the student has acquired as a French major. Required of all French majors.

GENS: GENERAL STUDIES

- GENS 2000 Introduction to Interdisciplinary Studies** 3-0-3
An introduction to the theory of interdisciplinarity. The course focuses on exploring common pathways and connections among disciplines. It enables students to develop a personal theory of interdisciplinary studies and culminates in a detailed plan for an individualized major.
- GENS 4000 Interdisciplinary Studies Capstone** 3-0-3
Planned seminars, directed study, and a project will be used to demonstrate mastery of interdisciplinary study. The course provides the opportunity for synthesis and critical assessment of multiple interdisciplinary foci into a coherent whole.
- GENS 4100 General Studies Seminar** 3-0-3
Prerequisite: Approval of the General Studies Coordinator. A seminar incorporating selected topics to include primary field of study, ethical issues, and selected topics of interest providing a capstone experience.
- GENS 4200 Directed Study in Human Resources** 1-0-1 to 3-0-3
Prerequisite: Senior standing and permission of advisor, instructor, and General Studies Coordinator. Directed research, readings, or project in the field of human resources with regular conferences between instructor and student. An opportunity for mature students with experiential learning to integrate theory and practical applications on a one time basis.
- GENS 4900 Internship** 3 to 15 hours credit
Prerequisite: Senior standing, advisor's and General Studies Coordinator's approval. A supervised practical experience to integrate theories and practical applications of the various components of the program. The number of credit hours granted is dependent upon the program, academic work, requirements, and nature of participation.

GEOG: GEOGRAPHY

- GEOG 1100 Introduction to Geography** 3-0-3
A broad introduction to the field of geography, with its various traditions, subfields, and associated technologies. Topic areas covered include the multiple aspects of cultural and physical geography and tools used in the discipline, such as Geographic Information Systems (GIS) and Global Positioning Systems (GPS).
- GEOG 1101 Introduction to Human Geography** 3-0-3
A survey of global patterns of resources, population, culture and economic systems. Emphasis is placed upon the factors contributing to these patterns and the distinctions between the technologically advanced and less advanced regions of the world.
- GEOG 1102 World Regional Geography** 3-0-3
Examination of the interaction among the developed and developing regions of the world. Particular emphasis is placed on the interrelationships of historical, cultural, economic and political elements in critical areas of the world.
- GEOG 1103 Geographic Perspectives on Multiculturalism in the U.S.** 3-0-3
Geographic factors underlying multi-culturalism and ethnic relationships in the U.S. Three interrelated themes are emphasized: the spatial development and organization of culture; population growth, migration, and urbanization; and the spatial dimensions of political, economic, and social processes.

- GEOG 1110 Our Hazardous Environment** 3-0-3
Also offered as GEOL 1110. A detailed examination of physical environmental hazards that influence human health and habitation. Lectures focus on the causes, processes, and results of naturally occurring and human-induced geologic, hydrologic, and atmospheric events, such as earthquakes, mudflows, floods, hurricanes, soil erosion, and nuclear and toxic waste. Some mathematics is used.
- GEOG 1112K Introduction to Weather and Climate** 3-2-4
Pre-or corequisite: MATH 1101 or higher. Weather components, processes, and their measurements. Climatic elements and their control factors and geographic classification of climatic and vegetation types are also discussed.
- GEOG 1113K Introduction to Land Forms** 3-2-4
Pre-or corequisite: MATH 1101 or higher. Introductory analysis and classification of major types of land surfaces, stressing geographic characteristics. Study and interpretation of relationships between landforms and other phenomena through maps, aerial photos, and field observations. World coverage with emphasis on North America.
- GEOG 1120 Introductory Oceanography** 3-0-3
 An introductory examination of the physical, chemical, biological, and geological characteristics of the Earth's oceans. Effects of human activity on marine environments and resources as well as management of coastal resources will be discussed. Development of geographic skills and map interpretation through charts, graphs, and ocean models will be included.
- GEOG 1125 Resources, Society, and Environment** 3-0-3
 Interactions between physical systems and human activities and their effects on environmental quality and stability. Topics include geography of population and resource consumption, food production, water and air quality, energy policy, land/biotic resource management. Contrasting social, ethical, and technological perspectives on environmental concerns are explored.
- GEOG 2010 Tools of Environmental Geoscience** 3-0-3
Also offered as GEOL 2010. An introduction to research techniques for the incoming environmental geoscience majors. This course includes an overview of the discipline and the tools used in geoscience research. Topics may include laboratory safety, research methods, exploration of resources (library and Internet), methods of data collection, data analysis, and scientific reporting of results.
- GEOG 3020 Global Climate Change** 3-0-3
Also offered as GEOL 3020. Prerequisite: GEOG 1112K or GEOL 1121K or GEOG 1113K or . An overview of global climate change based on changes to the Earth's atmosphere, lithosphere, and hydrosphere. This course provides an analysis of past climates in the geologic, biologic, and hydrologic record, the impact of fossil fuel utilization on climate over the last 250 years, and links to ice sheets and oceans. The course examines implications of global climate change on the human population, including diseases and severe weather, as well as biogeography, including the extinction of threatened species.
- GEOG 3050 Computer Cartography and Image Analysis** 2-2-3
Prerequisite or corequisite: GEOG 2010 or GEOL 2010. An introduction to digital production of general and thematic maps. Lectures and laboratory exercises cover principles of cartography and remote sensing as well as the manipulation and visualization of spatial data and imagery.
- GEOG 3051 Introduction to Geographic Information Systems** 2-2-3
Prerequisite: Junior standing or permission of the instructor. An examination of geographic information systems, including methods of capture, storage, analysis, and display of spatially-referenced data. Laboratory exercises provide experience with typical GIS operations and applications.

- GEOG 3052 Advanced Geographic Information Systems** 2-2-3
Prerequisite: GEOG 3051. Advanced applications of GIS including: overlay analysis, writing short macros for repetitive operations, spatial modeling and technical support of complex land use and natural resource management decision making. Laboratory exercises designed to form a cartographic and software portfolio for students.
- GEOG 3053 Application Issues in Geographic Information Systems** 3-0-3
Prerequisite: GEOG 3051. Operational and planning issues in GIS. Students will learn which issues need to be considered when proposing and implementing software/hardware GIS and will have opportunities to evaluate how a GIS can be used to solve specific planning problems.
- GEOG 3100 Regional Planning and Environmental Management** 3-0-3
Prerequisite: Consent of instructor. Introduction to planning for economic development, service provision and resource management at scales larger than municipalities with an emphasis on the environmental impacts of planning policy and regulation.
- GEOG 3120 Geosciences Field Trip** 3 hours credit
Also offered as GEOL 3120. Prerequisites: GEOG 1113K or GEOL 1121K. A study of the geology and geography of a selected region during the first week, followed by a two-week field trip to points of interest. The interactions among geology, surficial processes, and organisms and how those interactions impact humans will be emphasized. Field trip destination is different each summer. Student fee required. Offered only during Sumer Session I.
- GEOG 3150 Meteorology and Climatology** 3-0-3
Prerequisites: GEOG 1112 and 1113, MATH 1113. A detailed examination of atmospheric motions and climatic controls including the Earth's radiation and energy balance, air mass dynamics, weather systems, and past and present climates of the Earth.
- GEOG 3200 History of Life** 2-3-3
Also listed as GEOL 3200. Prerequisite: Sophomore standing and consent of instructor. Principles of paleontology with emphasis on the history of life including vertebrates. Includes an account of the outstanding forms of life from the beginning of earthtime to the present, and those paleontologically significant groups that are uncommon, different, or extinct today.
- GEOG 3210 An Introduction to Hydrology** 3-2-4
Also listed as GEOL 3210. Prerequisites: GEOL 1121 or GEOG 1112, and GEOG 1113. An introduction to surface and sub-surface hydrology, examining components of the hydrologic cycle. Topics include local and global water balance, precipitation, interception and infiltration, runoff, stream flow, water storage, and groundwater. This course makes use of some mathematical equations.
- GEOG 3240 Hydrogeology** 3-0-3
Also listed as GEOL 3240. Prerequisites: GEOL 1121 or GEOG 1112, and GEOG 1113. Introduction to the hydrology of groundwater. Study of the subsurface part of the hydrologic cycle and description of the occurrence, movement, and management of groundwater as a renewable resource. Special emphasis on surface water-groundwater interactions, sensitivity of karst aquifers to environmental stresses, water quality, groundwater contaminations, and field methods that are applied in groundwater studies. Weekend field trip(s) required.
- GEOG 3300 Process Geomorphology** 3-3-4
Also listed as GEOL 3300. Prerequisite: GEOL 1121, or GEOG 1112 and GEOG 1113. An introduction to process geomorphology examining landforms and their formative processes. Topics include weathering and slope, fluvial, coastal, aeolian, glacial and periglacial processes, and the application of soils to geomorphology. This course makes use of some mathematical equations. Field trip required.

- GEOG 3310 Physiography of North America** 3-0-3
Prerequisites: GEOL 1121, or GEOG 1112 and 1113, or consent of the instructor. The physiographic description, including the landforms, soils, structural framework, climate, plant and animal geography, natural resources, and the unique environmental problems of each major physiographic province of the United States and Canada, including Alaska, Hawaii, and Puerto Rico.
- GEOG 3320 Geomorphology of Fluvial and Coastal Environments** 3-0-3
Also listed as GEOL 3320. **Prerequisite:** GEOG 3300. An examination of processes and landforms in fluvial (river) and coastal environments. Fluvial topics include channel geometry and pattern, characteristics of flow, sediment load, bedforms, and floodplains. Coastal topics include the study of waves and tides, coastal sediment transport, beaches, and the effects of changing sea level. This course makes use of some mathematical equations.
- GEOG 3330 Geology, Hydrogeology, and Environmental Issues in Georgia** 3-0-3
Also listed as GEOL 3330. **Prerequisite:** GEOL 1121K. An overview of the geologic framework of Georgia and surrounding states, with emphasis on topical hydrogeologic and environmental issues that impact Georgia's environment. Students receive the appropriate geologic background necessary for careers that address environmental issues in the southeastern United States. One or more field trips to locations in the area will be included.
- GEOG 3410 Cultural Geography** 3-0-3
Prerequisite: consent of the instructor. A study of the Earth as the home of humankind, emphasizing the spatial and functional complexes of human geography. Topics to be considered are population, settlement form, settling processes, resources, and economic, political, and societal organizations.
- GEOG 3510 Urban Community Planning** 3-0-3
Principles and applications of planning for neighborhoods, towns and cities with an emphasis on the United States. Topics covered include: public services, land-use decision making, economic development, growth management and the role of non-government organizations.
- GEOG 3610 Economic Geography** 3-0-3
Prerequisites: GEOG 1102, or GEOG 1112 and 1113, or consent of the instructor. A study of areal variations in human economic activities as related to production, exchange, and consumption of economic goods and services. Emphasis is placed on location of economic activities and related theories.
- GEOG 3710 Environmental Soil Science** 3-3-4
Also offered as GEOL 3710. **Prerequisites:** CHEM 1211K; GEOG 1113K or GEOL 1121K. Soil properties, distribution and classification, factors of soil formation, and the relationships among soils, geomorphology, and the environment, stressing analysis and use of soils and soil databases for proper urban, agricultural, and environmental land use.
- GEOG 3810 Introduction to Biogeography** 3-0-3
Also offered as BIOL 3810. **Prerequisites:** Three of the following courses: GEOG 1112, GEOG 1113, BIOL 2010, BIOL 2230, BIOL 2270. An overview of factors controlling the distribution of plants and animals on the Earth. Topics discussed include ecological and evolutionary processes, geophysical and climatic phenomena, and historical and anthropogenic events that have influenced current distributions.
- GEOG 3910 European Geography** 3-0-3
A survey of European geography, with a special emphasis on the European Union. Topic areas covered include physical, economic, political, and cultural geography of Europe.
- GEOG 3920 Geography of the Middle East** 3-0-3
A survey of the nations of the Middle East, with a special emphasis on the Arab-Israeli conflict. Topic areas covered include physical, economic, political, and cultural geography of the Middle East.

- GEOG 4700 Field Methods in Environmental Geography** 2-4-4
Prerequisite: Junior Standing and consent of instructor. Study of field techniques and field problems in physical geography. Course includes classroom presentations, field projects, field trips, and writing technical reports.
- GEOG 4710 Statistics for Geoscientists** 3-0-3
Prerequisite: Math 2620 or permission of instructor. A survey of statistical methods used by geoscientists to solve real-world problems. The course will examine the various quantitative methods available to collect, analyze, and interpret geographic data; enable students to read and understand statistical results presented by geoscientists; help students to apply the correct statistical methods for the collection, analysis, and interpretation of their own data.
- GEOG 4800 Internship in Environmental Geosciences** 3 to 6 hours credit
Prerequisite: Consent of instructor and department head. Graded "Satisfactory" or "Unsatisfactory." A supervised, practical experience using environmental geosciences skills in an appropriate organization. The course provides students with an opportunity to apply skills learned during pursuit of the environmental geosciences degree to real world situations.
- GEOG 4860 Senior Thesis I** 2-0-2
Prerequisite: Junior or Senior standing and consent of the instructor. The first course in a two-semester research project designed by the student and supervising faculty member(s) in an approved area of interest. Students will design their project and gather data.
- GEOG 4861 Senior Thesis II** 2-0-2
Prerequisite: GEOG 4860 or GEOL 4860. The second course in a two-semester research project designed by the student and a supervising faculty member in an approved area of interest. Students will continue data collection begun during Senior Thesis I, analyze their data, and present their results in both oral and written form.
- GEOG 4900 Special Topics in Geography** 1-0-1 to 4-4-6
Prerequisite: consent of instructor. Topic to be assigned by instructor; the course may be repeated more than once if the topics are different.
- GEOG 4990 Directed Study in Geography** 1-0-1 to 4-4-6
Prerequisite: at least Junior standing and permission of advisor, instructor, and Department Head. Study in area or subject not normally found in established courses offered by the department; may also allow students to explore in more detail and/or depth an area or subject covered by the department.

GEOL: GEOLOGY

- GEOL 1110 Our Hazardous Environment** 3-0-3
Also offered as GEOG 1110. A detailed examination of physical environmental hazards that influence human health and habitation. Lectures focus on the causes, processes, and results of naturally occurring and human-induced geologic, hydrologic, and atmospheric events, such as earthquakes, mudflows, floods, hurricanes, soil erosion, and nuclear and toxic waste. Some mathematics is used.
- GEOL 1121K Principles of Physical Geology** 3-2-4
Pre- or corequisite: MATH 1101 or higher. An introduction to the physical processes responsible for the formation and ever-continuing modification of our Earth. Topics covered include the structure of the Earth and plate tectonics, volcanoes and earthquakes, formation of minerals and the rock cycle, origin and evolution of the landscape, and groundwater and energy resources.

- GEOL 1122K Principles of Historical Geology** 3-2-4
Pre- or co-requisite: MATH 1101 or higher. An introduction to the physical and biological development of the Earth from its cosmic beginning to the present, with emphasis on reconstructing sedimentary environments, tectonic processes, and life forms represented in selected regions of North America. Topics covered include families of rocks, principles and concepts of geologic time, origin and interpretation of sedimentary rocks, evolution, plate tectonics, origin of the solar system, and a survey of Earth history through time.
- GEOL 2010 Tools of Environmental Geoscience** 3-0-3
Also offered as GEOG 2010. An introduction to research techniques for the incoming environmental geoscience majors. This course includes an overview of the discipline and the tools used in geoscience research. Topics may include laboratory safety, research methods, exploration of resources (library and Internet), methods of data collection, data analysis, and scientific reporting of results.
- GEOL 3010 Environmental Geology** 2-2-3
Prerequisite: Two natural science lab courses. The application of basic geologic principles and techniques to problems in land-use planning, resource management, waste disposal, conservation, energy plant siting, under-and-above-ground construction, subsidence, construction in seismic areas, slope-stability, urban development and other problems resulting from human interaction with the geological habitat.
- GEOL 3020 Global Climate Change** 3-0-3
Also offered as GEOG 3020. Prerequisite: GEOG 1112K or GEOL 1121K or GEOG 1113K or . An overview of global climate change based on changes to the Earth's atmosphere, lithosphere, and hydrosphere. This course provides an analysis of past climates in the geologic, biologic, and hydrologic record, the impact of fossil fuel utilization on climate over the last 250 years, and links to ice sheets and oceans. The course examines implications of global climate change on the human population, including diseases and severe weather, as well as biogeography, including the extinction of threatened species.
- GEOL 3050 Oceanography** 3-0-3
Prerequisite: Two natural science lab courses. The physical, chemical, geological, and biological characteristics of the ocean and the interactions between the hydrosphere, lithosphere, atmosphere, and biosphere.
- GEOL 3100 Principles of Mineralogy/Petrology** 3-3-4
Prerequisites: Sophomore standing, GEOL 1121K and GEOL 1122K, and consent of instructor. An introduction to mineral and rock identification, and the study of the genesis, occurrence, and uses of common minerals and rocks. Laboratory consists of identification of common rocks and minerals.
- GEOL 3101 Mineralogy** 3-3-4
Prerequisites: GEOL 1121K and CHEM 1151K-1152K, or their equivalents, and/or consent of the instructor. The classification, identification, and crystallography of the principal rock-forming minerals, silicate and non-silicate; and the introduction to the use of the petrographic microscope in the study of the crystallography and identification of minerals.
- GEOL 3102 Petrology and Petrography** 3-3-4
Prerequisite: GEOL 3101 and/or consent of instructor. Genesis, classification, and properties of igneous, metamorphic, and sedimentary rocks. Laboratory includes the use of analytical methods, hand specimens, thin-section study with the petrographic microscope, and the macroscopic and microscopic properties of important rock types.
- GEOL 3103 Environmental Mineralogy and Clay Materials** 3-3-4
Prerequisites: GEOL 1121K and CHEM 1211K. An introduction to basic concepts of crystallography, mineralogy, and clay minerals, stressing environmental uses and applications. Includes mineral systems, analytical techniques, and basic clay surface chemistry. Laboratory exercises focus on practical applications of mineralogy useful to the modern environmental scientist. Weekend field trips required.

- GEOL 3120 Geosciences Field Trip** **3 hours credit**
Also offered as GEOG 3120. Prerequisites: GEOG 1113K or GEOL 1121K. A study of the geology and geography of a selected region during the first week, followed by a two-week field trip to points of interest. The interactions among geology, surficial processes, and organisms and how those interactions impact humans will be emphasized. Field trip destination is different each summer. Student fee required. Offered only during Sumer Session I.
- GEOL 3200 History of Life** 2-3-3
Prerequisite: Sophomore standing and consent of instructor. Principles of paleontology with emphasis on the history of life including vertebrates. Includes an account of the outstanding forms of life from the beginning of earthtime to the present, and those paleontologically significant groups that are uncommon, different, or extinct today.
- GEOL 3210 An Introduction to Hydrology** 3-2-4
Also listed as GEOG 3210. Prerequisites: GEOL 1121 or GEOG 1112 and GEOG 1113. An introduction to surface and sub-surface hydrology, examining components of the hydrologic cycle. Topics include local and global water balance, precipitation, interception and infiltration, runoff, stream flow, water storage, and groundwater. This course makes use of some mathematical equations.
- GEOL 3220 Invertebrate Paleontology** 2-2-3
Prerequisites: GEOL 1122K or BIOL 2270 or permission of instructor. Identification, classification, and natural history of major groups of invertebrates preserved as fossils in the geologic record, with special attention to those forms commonly encountered in the southeastern United States. Emphasis in laboratory will include taxonomic affinities and functional morphology. Saturday (optional) field trips will be scheduled to local areas of interest.
- GEOL 3230 Vertebrate Paleontology** 2-2-3
Prerequisites: GEOL 1121K and GEOL 1122K, or BIOL 2010 and BIOL 2270. Geologic history and evolution of animals with backbones, with coverage of extinct groups such as the Dinosauria.
- GEOL 3240 Hydrogeology** 3-0-3
Also listed as GEOG 3240. Prerequisites: GEOL 1121 or GEOG 1112, and GEOG 1113. Introduction to the hydrology of groundwater. Study of the subsurface part of the hydrologic cycle and description of the occurrence, movement, and management of groundwater as a renewable resource. Special emphasis on surface water-groundwater interactions, sensitivity of karst aquifers to environmental stresses, water quality, groundwater contaminations, and field methods that are applied in groundwater studies. Weekend field trip(s) required.
- GEOL 3250 Micropaleontology** 2-2-3
Prerequisites: GEOL 1122K, GEOL 3210, or consent of instructor. The classification, stratigraphic relationships, and methods of study of microfossils with emphasis on the stratigraphically important groups.
- GEOL 3300 Process Geomorphology** 3-3-4
Also listed as GEOG 3300. Prerequisite: GEOL 1121, or GEOG 1112 and GEOG 1113. An introduction to process geomorphology examining landforms and their formative processes. Topics include weathering and slope, fluvial, coastal, aeolian, glacial and periglacial processes, and the application of soils to geomorphology. This course makes use of some mathematical equations. Field trip required.
- GEOL 3320 Geomorphology of Fluvial and Coastal Environments** 3-0-3
Also listed as GEOG 3320. Prerequisite: GEOG 3300. An examination of processes and landforms in fluvial (river) and coastal environments. Fluvial topics include channel geometry and pattern, characteristics of flow, sediment load, bedforms, and floodplains. Coastal topics include the study of waves and tides, coastal sediment transport, beaches, and the effects of changing sea level. This course makes use of some mathematical equations.

- GEOL 3330 Geology, Hydrogeology, and Environmental Issues in Georgia** 3-0-3
Also listed as GEOG 3330. Prerequisite: GEOL 1121K. An overview of the geologic framework of Georgia and surrounding states, with emphasis on topical hydrogeologic and environmental issues that impact Georgia's environment. Students receive the appropriate geologic background necessary for careers that address environmental issues in the southeastern United States. One or more field trips to locations in the area will be included.
- GEOL 3410 Structural Geology** 3-3-4
Prerequisites: GEOL 1121K and GEOL 1122K; MAT 1112 or equivalent. Structural features of rocks, such as folds, faults, joints, cleavage, and primary structures, including their origin, classification, analyses and economic relationships. A study of tectonic plate motion is included. Laboratory work includes depth and thickness problems, structure sections, and structure contour maps.
- GEOL 3450 Field Methods in Geology** 2-4-4
Prerequisites: Sophomore standing, GEOL 1121K and GEOL 1122K, and consent of instructor. An introduction to the basic tools and techniques used in preparation of topographic and geologic maps, and profiles and cross-sections. Includes uses of plane table, alidade, Brunton compass, and aerial photographs.
- GEOL 3500 Principles of Geochemistry** 3-2-4
Prerequisites: GEOL 1121K and CHEM 1151K, or consent of the instructor. The application of chemical principles to study of geological and environmental processes. Course emphasis is on understanding processes that influence the chemistry of water, sediment, and soil. Topics include aqueous solutions, thermodynamics, mineral-water equilibria, oxidation-reduction reactions, and radiogenic and stable isotopes. Laboratory component of the course is field-based.
- GEOL 3510 Environmental Issues in Economic Geology** 3-0-3
Prerequisite: GEOL 1121K. An introduction to the concepts and practice of economic geology, with emphasis on the environmental impact of resource exploitation focusing on the resource industries that exist in Georgia and surrounding states. Topics include traditional metals-based economic geology, industrial minerals, and energy-based resources. One or more field trips to locations in the area will be included.
- GEOL 3710 Environmental Soil Science** 3-3-4
Also listed as GEOG 3710. Prerequisites: CHEM 1211K; GEOG 1113K or GEOL 1121K. Soil properties, distribution and classification, factors of soil formation, and the relationships among soils, geomorphology, and the environment, stressing analysis and use of soils and soil databases for proper urban, agricultural, and environmental land use.
- GEOL 4110 Principles of Sedimentation and Stratigraphy** 3-2-4
Prerequisites: GEOL 1121K and GEOL 1122K. Corequisite: GEOL 3410. The interrelationships of sedimentation, stratigraphy, and paleogeography; methods in sediment studies, stratigraphic interpretation, and correlation. Field trips required.
- GEOL 4800 Internship in Environmental Geosciences** 3 to 6 hours credit
Prerequisite: Consent of instructor and department head. Graded "Satisfactory" or "Unsatisfactory." A supervised, practical experience using environmental geosciences skills in an appropriate organization. The course provides students with an opportunity to apply skills learned during pursuit of the environmental geosciences degree to real world situations.
- GEOL 4860 Senior Thesis I** 2-0-2
Prerequisite: Junior or Senior standing and consent of the instructor. The first course in a two-semester research project designed by the student and supervising faculty member(s) in an approved area of interest. Students will design their project and gather data.
- GEOL 4861 Senior Thesis II** 2-0-2
Prerequisite: GEOL 4860 or GEOG 4860. The second course in a two-semester research project designed by the student and a supervising faculty member in an approved area of interest. Students will continue data collection begun during Senior Thesis I, analyze their data, and present their results in both oral and written form.

- GEOL 4900 Special Topics in Geology** 1-0-1 to 4-4-6
Prerequisite: GEOL 1121K and GEOL 1122K, or equivalent, and consent of instructor. Topics to be assigned by instructor; may be taken more than once if topics are different; up to a total of 6 credit hours.
- GEOL 4950 Directed Studies in Geology** 1-0-1 to 4-4-6
Prerequisites: GEOL 1121K and GEOL 1122K; Junior standing; and permission of advisor, instructor, and Department Head. Study of subjects not normally found in established courses offered by this department; may also allow students to explore in more detail and/or depth subjects covered by this department, up to a maximum of 6 credit hours.

GRMN:GERMAN

- GRMN 1001 Beginning German Language and Introduction to German Culture, I** 3-0-3
 Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. GRMN 1001 is not open for credit to students with two or more years of high school German or the equivalent.
- GRMN 1002 Beginning German Language and Introduction to German Culture, II** 3-0-3
Prerequisite: GRMN 1001 or the equivalent. A continuation of GRMN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.
- GRMN 1111 Intensive German Language & German Culture** 3-0-3
Prerequisite: Two or more years of high school German or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. GRMN 1111 is a one-semester combination of GRMN 1001 and GRMN 1002. This course is designed for those students not fully prepared for the 1002 level. GRMN 1111 reviews the concepts presented in GRMN 1001 and advances the student through the material of GRMN 1002.
- GRMN 2001 Intermediate German Language and German Culture, I** 3-0-3
Prerequisite: GRMN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.
- GRMN 2002 Intermediate German Language and German Culture, II** 3-0-3
Prerequisite: GRMN 2001 or the equivalent. A continuation of GRMN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

- GRMN 3310 Intermediate Reading** 3-0-3
Prerequisite: GRMN 2002 or consent of instructor. The development of students' proficiency in spoken and written German. The readings will be based on material from contemporary sources, including prose, poetry, and theater.
- GRMN 3320 Intermediate Grammar and Composition** 3-0-3
Prerequisite: GRMN 2002 or consent of instructor. Continued study of the major difficulties of German grammar with practice in compositions.
- GRMN 3540 German Popular Literature** 3-0-3
Prerequisite: GRMN 3310 or consent of the instructor. Study of lyrical forms, such as the ballads and poems of selected major authors and the lyrics of the common people over several centuries. A study of prose forms of popular literature, such as fairy tales and contemporary children's books.
- GRMN 3551 German Culture and Civilization I** 3-0-3
Prerequisite: GRMN 3310 or 3320 or consent of the instructor. Study of geography, history, and educational and political systems in Germany, with attention given to music, art, and letters.
- GRMN 3552 German Culture and Civilization II** 3-0-3
Prerequisite: GRMN 3310 or 3320 or consent of the instructor. Study of current issues in Germany. Selected readings and discussion from the German press, radio and TV, and literary texts.
- GRMN 3560 Survey of German Poetry** 3-0-3
Prerequisite: GRMN 3310 or consent of the instructor. Study of representative poetry over the centuries with the focus on the development of content and form.
- GRMN 3570 Survey of 18th- and 19th-Century German Theater** 3-0-3
Prerequisite: GRMN 3310 or consent of the instructor. Study of selected plays in their entirety with emphasis on the social changes in German society.
- GRMN 3580 Contemporary Works in German–Language & Literature** 3-0-3
Prerequisite: GRMN 3310 or consent of the instructor. Study of selected works in their entirety with emphasis on current social concerns in the German-speaking world.
- GRMN 4410 Advanced Conversation** 3-0-3
Prerequisite: GRMN 2002 or consent of instructor. Intensive approach to spoken German based on everyday activities and occurrences.
- GRMN 4420 Questions of Gender in German-Language Texts** 3-0-3
Prerequisite: GRMN 3310 or consent of the instructor. Study of the works of women authors in the German-speaking world and of the treatment of gender in other texts.
- GRMN 4950 Directed Study** 3-0-3
Prerequisite: GRMN 3310 or consent of the instructor. Study in a special area of German literature or the German language not normally found in established courses offered by the department. The work is done under the supervision of a professor.
- GRMN 4960 Study Abroad Special Topics** 3-0-3
Consult the Department of Modern and Classical Languages regarding arrangements, requirements, and credit. May be repeated for a maximum of 9 hours if topics are different.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

HIST: HISTORY

- HIST 1011 History of Civilization I** 3-0-3
Survey of the development of major world civilizations from antiquity through the 14th century. Emphasis will be placed on the cultural achievements of each civilization.
- HIST 1011H Honors History of Civilization I** 3-0-3
Survey of world civilizations from antiquity through the 14th century. Emphasis will be placed on the cultural achievements of each civilization; taught in an enriched environment.
- HIST 1012 History of Civilization II** 3-0-3
Survey of early modern world civilizations from the 15th through the 18th century. Emphasis will be placed on the growing interactions of world cultures.
- HIST 1012H Honors History of Civilization II** 3-0-3
Survey of early modern world civilization from the 15th through the 18th centuries. Emphasis will be placed on the growing interactions of world cultures; taught in an enriched environment.
- HIST 1013 History of Civilization III** 3-0-3
Survey of world civilizations during the 19th and 20th centuries. Emphasis will be placed on the impact of industrialization, global conflict, and the emergence of the Third World.
- HIST 1013H Honors History of Civilization III** 3-0-3
Survey of world civilizations during the 19th and 20th centuries. Emphasis will be placed on the impact of industrialization, global conflict, and the emergence of the Third World; taught in an enriched environment.
- HIST 2111 United States History to 1865** 3-0-3
A survey of the major political, economic, social, and cultural developments in the United States and Georgia to 1865. (Either HIST 2111 or HIST 2112 satisfies legislative requirements for U.S./Georgia History.)
- HIST 2111H Honors United States History to 1865** 3-0-3
A survey of the major political, economic, social, and cultural developments in the United States and Georgia to 1865, taught in an enriched environment. (Either HIST 2111H or HIST 2112H satisfies legislative requirements for U.S./Georgia History.)
- HIST 2112 United States History Since 1865** 3-0-3
A survey of the major political, economic, social, and cultural developments in the United States and Georgia since 1865. (Either HIST 2111 or HIST 2112 satisfies legislative requirements for U.S./Georgia History.)
- HIST 2112H Honors United States History Since 1865** 3-0-3
A survey of the major political, economic, social, and cultural developments in the United States and Georgia since 1865, taught in an enriched environment. (Either HIST 2111H or HIST 2112H satisfies legislative requirements for U.S./Georgia History.)
- HIST 3000 Study of History** 3-0-3
Prerequisites: ENGL 1101 or 1101H, and ENGL 1102 or 1102H; **nine (9) semester hours from HIST 1011 or 1011H, 1012 or 1012H, 1013 or 1013H, 2111 or 2111H, 2112 or 2112H; declaration of a major in history.** An overview of the study of history, with emphasis on historiography and historical methods. Must be taken as, or concurrently with, the first upper-division history course.
- HIST 3010 Women in Ancient Greece and Rome** 3-0-3
Also offered as WMST 3010. Issues of particular relevance to women in Greek and Roman society and their modern parallels. Topics include: social, political, and legal rights; the family, marriage, and children; health issues; women and work.

- HIST 3020 The Status of Women: Historical Perspectives** 3-0-3
 Also offered as WMST 3020. Women in the Western historical tradition with emphasis upon historiographical methods of working women's lives. Primary source materials reveal the evolution of women's views of themselves, first as expressed by men, then by women as they begin to speak of themselves.
- HIST 3030/3040/3050/3060/3070/3080/3090 Special Topics in History** 3-0-3 each
 Selected themes of historical and contemporary interest.
- HIST 3030 H Honors Topics in U. S. History** 3-0-3
 Special topics in United States history for History Honors Track. May be repeated for credit.
- HIST 3040 H Honors Topics in European History** 3-0-3
 Special topics in European history for History Honors Track. May be repeated for credit.
- HIST 3050 H Honors Topics in World History** 3-0-3
 Special topics in world history for History Honors Track. May be repeated for credit.
- HIST 3120 History of Cuisine and Culture** 3-0-3
 Overview of food and human society from early human civilization to the modern era. The course will emphasize changes in food production and consumption as well as the development of ethnic and cultural differences in cuisine.
- HIST 3201 The Ancient Near East** 3-0-3
 The history of Ancient Egypt and Mesopotamia, with emphasis on political structures, social institutions, and cultural developments.
- HIST 3202 Hellenistic Greece and Rome** 3-0-3
 A study of Mediterranean civilizations from the era of Alexander the Great through the fall of the Roman Empire. Greco-Roman contributions to western cultural traditions will be emphasized.
- HIST 3203 Renaissance and Reformation** 3-0-3
 A study of the cultural, intellectual, and religious life of Europe in the 14th, 15th, and 16th centuries.
- HIST 3205 Europe in the Age of Louis XIV, 1648-1750** 3-0-3
 A study of major trends in European history from the Peace of Westphalia to the Enlightenment. Cultural, social, and political achievements of European countries will be stressed.
- HIST 3206 Revolutionary Europe, 1750-1815** 3-0-3
 A study of major developments in Europe from the Enlightenment through the defeat of Napoleon. The impact of the French Revolution on Europe will be emphasized.
- HIST 3207 Europe, 1815-1914** 3-0-3
 A survey of the leading developments of the period in Europe, including social and nationalistic trends. Emphasis is placed on factors leading to World War I.
- HIST 3208 Europe, 1914-1945** 3-0-3
 A survey of the lost generation living in a society broken and disillusioned by World War I.
- HIST 3209 Europe Since 1945** 3-0-3
 A study of European domestic and international affairs since 1945 with emphasis upon the major states.
- HIST 3301 Britain to 1603** 3-0-3
 History of the British Isles from prehistory to the advent of the Stuarts, with emphasis on political, social, economic, and cultural developments.
- HIST 3302 Britain Since 1603** 3-0-3
 History of the British Isles from 1603 to the present, with emphasis on political, imperial, social, and economic developments.
- HIST 3303 English Constitutional History** 3-0-3
 A study of the development of English judicial and governmental institutions from the Anglo-Saxon period to the present.

- HIST 3401 Slavic Europe to 1815** 3-0-3
History of Slavic Europe from the early Middle Ages to the end of the Napoleonic Wars. The course will examine the history of Russian and other Slavic peoples, with an emphasis on political, religious, social, and economic developments.
- HIST 3402 Slavic Europe Since 1815** 3-0-3
History of Slavic Europe from 1815 to the present. The course will examine the history of Russian and other Slavic peoples in the modern period.
- HIST 3500 German History, 1700-1945** 3-0-3
An in-depth study of German history from the rise of Brandenburg-Prussia to the fall of Nazi Germany. Topic areas include social, political, intellectual, cultural, diplomatic, and gender history.
- HIST 3502 Topics in German History** 3-0-3
An in-depth study of the history and historiographical and philosophical debates of a particular issue or period in German history. May be repeated for credit.
- HIST 3601 World Military History to 1618** 3-0-3
Overview of major developments in military history to 1618. The course examines changes in military strategy, technology, and organization, with a focus on comparing systems in different regions and time periods.
- HIST 3602 World Military History Since 1618** 3-0-3
Overview of major developments in military history since 1618 and the outbreak of the Thirty Years War. The course examines changes in military strategy, technology, and organization, with a focus on comparing systems in different regions and time periods.
- HIST 3990 History Teaching Tutorial** 0-2-1
Prerequisites: Completion of one of the following - HIST 1011, 1011H, 1012, 1012H, 1013, 1013H, 2111, 2111H, 2112 or 2112H; Junior or Senior standing; declaration of the major in history, secondary history education, or middle grades education with a primary concentration area in social studies. An introduction to the process of teaching history at the postsecondary survey level. Under the direction of a history faculty member, students will engage in a variety of activities such as observing classes, conducting study sessions and tutorials, and other activities directly related to a designated lower division (1000-2000 level) history survey course. May be taken three times for credit with a different faculty mentor and a different course in each instance.
- HIST 4100 United States Constitutional History** 3-0-3
Development of American constitutionalism from its origins in England and colonies to the present time.
- HIST 4101 American Legal History** 3-0-3
History of American law from colonial times to the present. The course will examine developments in American legal history, especially the relationship between social and legal changes in such areas as criminal law, the law of slavery, and private law, particularly at the state level. The course also examines the development of such legal institutions as the bench and bar and legal education.
- HIST 4105 European Ethnicity in American History** 3-0-3
A study of European immigration to the United States during the 19th and 20th centuries. The course will examine the reason why Europeans came to American, the problems they faced in the assimilation process, and the contributions they made to the growth of the United States.
- HIST 4198 Colonial North America to 1763** 3-0-3
A study of major themes in colonial history in North America to 1763. The course will examine such themes as the origins of European colonization, the development of slavery, gender and race relations, religion and society, the imperial struggle for North America, and intercultural relations among Europeans, Africans, and Native Americans.

- HIST 4199 Revolutionary America, 1763-1789** 3-0-3
 A study of the American Revolutionary era from the end of the Seven Years War to the ratification of the Constitution. The course examines political, economic, cultural, social, and military history of the period, with special emphasis on race and gender relations, the origins of American identity, the War for Independence, and the drafting and ratification of the Constitution.
- HIST 4202 United States, 1789-1850** 3-0-3
 A study of United States history from the Washington administration through the Compromise of 1850, focusing on political, cultural, social, and economic developments.
- HIST 4203 United States, 1850-1877** 3-0-3
 A study of United States history from the Compromise of 1850 to the end of Reconstruction. Focuses on the sectional crisis of the 1850s, the Civil War, and the Reconstruction process after the war.
- HIST 4204 United States, 1877-1921** 3-0-3
 A study of United States history from the end of Reconstruction to the end of the Wilson administration. Emphasizes diplomatic, ethnic, cultural, political, and social developments.
- HIST 4205 United States, 1921-1945** 3-0-3
 A study of United States history from the end of World War I to the end of World War II. Focuses on the "Roaring '20s," the Great Depression, and U.S. involvement in World War II.
- HIST 4206 United States Since 1945** 3-0-3
 A study of United States history since World War II with emphasis on political, cultural, social, and economic developments and the nation's foreign relations.
- HIST 4207 United States Diplomacy to 1921** 3-0-3
 A study of United States foreign relations from the Revolutionary period through 1921.
- HIST 4208 United States Diplomacy since 1921** 3-0-3
 A study of United States foreign relations since 1921
- HIST 4211 Georgia History through 1865** 3-0-3
 A study of Georgia's history from its occupation by the earliest Indians through the Civil War, with attention to the state's development in its regional, national, and international context. Satisfies the Georgia History legislative requirement.
- HIST 4212 Georgia History since 1865** 3-0-3
 A study of Georgia's history from the Civil War to the present, with attention to the state's development in its regional, national, and international context. Satisfies the Georgia History legislative requirement.
- HIST 4220 Local History** 3-0-3
 A study of the methodology of local history research and writing. The course examines aspects of south Georgia history as a means of providing the student with an opportunity to apply the methodology.
- HIST 4221 The Old South** 3-0-3
 A detailed study of the social, economic, cultural, and intellectual life of the colonial and antebellum South, with consideration of the influence of slavery.
- HIST 4222 The New South** 3-0-3
 A history of the South since the Civil War, with special attention to political, social, economic, and cultural developments, as well as the problems of southern blacks after emancipation.
- HIST 4225 History of the American West** 3-0-3
 History of the American West from Spanish colonial times to the present. The course will consider economic, social, political, and cultural developments of the region.
- HIST 4226 Southeastern Colonial Experience** 3-0-3
 A study of the American Southeast in colonial times. The course will examine English, Spanish, and French colonial activity as well as the distinctive history of African Americans and Native Americans in the region as they relate to the colonizing powers.

- HIST 4231 African-American History to 1865** 3-0-3
Also offered as AFAM 4231. The history of the African-Americans from their origin in Africa to the end of slavery in the U.S., with emphasis on their economic life and social thought.
- HIST 4232 African-American History Since 1865** 3-0-3
Also offered as AFAM 4232. The history of the African-American struggle for equality after emancipation, with special focus on the problems of black leadership from Frederick Douglass to the present.
- HIST 4240 American Social History** 3-0-3
 Analysis of the major trends in religion, culture, social structures, and social groups in the United States from the Colonial Era until the present. Particular attention is paid to the experiences of the various ethnic groups making up the American people.
- HIST 4241 Native American History to 1850** 3-0-3
 Overview of Native American history in North America from the earliest human occupation of the continent to 1850. The course examines the economic, cultural, diplomatic, military, and social history of Native Americans, including the development and implementation of Indian policies by non-natives.
- HIST 4242 Native American History Since 1850** 3-0-3
 Overview of Native American history in North America since 1850. The course examines the economic, cultural, diplomatic, military, and social history of Native Americans, including the development and implementation of United States Indian policy.
- HIST 4243 Native People in the American Southeast** 3-0-3
 A study of the native peoples of the southeastern United States from prehistory to Removal. The course will emphasize social and cultural changes as well as relationships among native groups.
- HIST 4250 History of Religion in the South** 3-0-3
 Overview of general religious patterns and their influence on southern society, with particular attention to mass religious movements such as the Great Awakening, Great Revival, Mission/Antimission Movement, Confederate Religion, African American Religion, Holiness/Pentecostalism, the Charismatic Movement, and the rise of the Religious Right. The course also focuses on the origins and development of the major denominations in the South.
- HIST 4261 Women in the U.S. to 1869** 3-0-3
Also offered as WMST 4261. A study of United States history from the perspective of women. Includes social, cultural, political, intellectual, and economic aspects of the nation's history, and more specifically, the ways women influenced and were influenced by various events and movements in U.S. history from the Colonial period to 1869.
- HIST 4262 Women in the U.S., 1869 to the Present** 3-0-3
Also offered as WMST 4262. A study of United States history from the perspective of women. Includes social, cultural, political, intellectual, and economic aspects of the nation's history, more specifically, the ways women shaped and were influenced by various events and movements in U.S. history from 1869 to present.
- HIST 4270 History of Women in the U.S. South** 3-0-3
Also offered as WMST 4270. A study of the history of the U.S. South from women's perspectives. An examination of the contributions of women to southern social, cultural, and political developments, and of the ways in which gender, class, and race influence women's regional identity.
- HIST 4280 History of U.S. Women Activists and Social Reformers** 3-0-3
Also offered as WMST 4280. An examination of women activists and reformers at different periods in U.S. history, of the issues that have motivated women to activism and reform efforts, and of the ways women have contributed to, influenced, and been influenced by various social movements in U.S. history.

- HIST 4290 U. S. Military History** 3-0-3
A study of military experiences and issues in American history from the Colonial Era to the present. The course analyzes war, its economic issues, technological developments, politics, and other factors that have influenced military aspects of American history.
- HIST 4291 U. S. Political History I** 3-0-3
A study of U.S. political history to 1877. Special emphasis will be placed on national elections and the parties and issues that have influenced American political history.
- HIST 4292 U. S. Political History II** 3-0-3
A study of U.S. political history from 1877 to the present. Special emphasis will be placed on national elections and the parties and issues that have influenced American political history.
- HIST 4301 Colonial Latin America** 3-0-3
The founding, growth, and development of Latin America by Spain and Portugal to the wars of independence.
- HIST 4302 Republican Latin America** 3-0-3
Major historical trends in Latin America since the wars of independence.
- HIST 4303 The Spanish Borderlands** 3-0-3
A study of the history of Spanish North America and its influence on the history of the United States and Native Americans, 1513-1850. Special emphasis will be placed on the region's diversity of peoples and intercultural relations as well as aspects of social, cultural, economic, imperial, and military history.
- HIST 4304 The Caribbean** 3-0-3
Political, economic, social, and cultural developments of the major Caribbean countries, 1492 to the present.
- HIST 4401 East Asia** 3-0-3
An analysis of the principal historical and cultural developments in China, Japan, and Korea, with special emphasis upon the interactions of these nations among themselves, their responses to western culture, and their roles in regional and world affairs.
- HIST 4402 Asia in the Modern World** 3-0-3
A general overview of the role of Asia in the contemporary world, with special reference to such phenomena as geography, population trends, cultural diversity, and regional and world interactions of the Asian nations.
- HIST 4403 The Indian Subcontinent** 3-0-3
An analysis of the 5000-year-old culture of the Indian sub-continent and Sri Lanka, with major emphasis upon the indigenous religions of the region and the impact of western culture and Christianity. Other topics considered are population, caste, the family, village life, government organization, the impact of British rule, and the independence movements that led to the establishment of the independence of India, Sri Lanka, and Bangladesh.
- HIST 4404 History of the Vietnam War** 3-0-3
An exploration of the many interrelated aspects of the conflict in Vietnam. Topics include French colonization, Ho Chi Minh and Vietnamese nationalism, the 1946-1954 war between the French and the Vietminh, the Cold War policies of the United States, escalating United States intervention in Vietnam, the United States's war in Vietnam (1965-1973), the fall of Saigon, domestic opposition to the war within the U.S.A., and postwar legacies of the conflict.
- HIST 4501 History of the Middle East to 1798** 3-0-3
Overview of the political, religious, and cultural history of the Middle East from the beginning of the Islamic era to Napoleon's invasion of Egypt.
- HIST 4502 History of the Middle East Since 1798** 3-0-3
Overview of the history of the Middle East in the modern period. The course examines the development of modern states, the effects of imperialism, the impact of World War I and II, and the results of the Arab-Israeli conflict.

- HIST 4511 Precolonial Africa** 3-0-3
Also offered as AFAM 4511. An analysis of the 8000-year-old cultures of the Nile Valley including Egypt, Nubia, and Kush; West Africa and its contacts with the Middle East and Europe; the East African city-states and their contacts with India.
- HIST 4512 Modern Africa** 3-0-3
Also offered as AFAM 4512. An examination of the European colonization of Africa and the African response. The course also examines the emergence of African nationalism and the problems of creating new states.
- HIST 4800 Directed Study in History** 3-0-3
 Supervised readings in areas of history not normally available in regular course offerings, with regular conferences between instructor and student.
- HIST 4800 H Honors Directed Study: Thesis** 3-0-3
 Directed study in selected areas of history, with regular conferences between instructor and student, leading to the writing of a thesis. For students in the Honors History Track.
- HIST 4810 Internship in History** 3-0-3 to 9-0-9
Graded “Satisfactory” or “Unsatisfactory.” Supervised practical experience related to the discipline of history in an appropriate agency, combined with a program of academic work. The number of credit hours granted is dependent on the nature of the program, the hours worked, and the academic program approved in advance.
- HIST 4950 Senior Seminar** 3-0-3
Prerequisite: HIST 3000 and senior standing. A seminar focused on selected topics and designed to help students synthesize their knowledge and reinforce the skills they have acquired as history majors.

HONS: HONORS

- HONS 1990 Honors Introductory Seminar** 2-0-2
Prerequisite: Admission to the Honors Program. A seminar, usually with an interdisciplinary focus, designed for students entering the Honors Program. Covers acculturation into the Honors Program, along with exposure to methods of inquiry, modeling behavior, and resources of the university community.
- HONS 2010 Honors Colloquium** 2-0-2
Co-requisite: HONS 1990. A series of lectures and discussion sessions offered on particular themes, leading to extended work in one particular area of research.
- HONS 3330 Honors Option Credit** 0-0-0
Prerequisite: HONS 1990 and approval of the Honors Director. Graded “Satisfactory” or “Unsatisfactory.” Supervised tutorial experience between student and teacher that generates Honors credit for a non-Honors course. May be taken no more than three times.
- HONS 3990 Honors Capstone Seminar** 3-0-3
Prerequisite: HONS 1990 and twelve hours in the Honors Program. An interdisciplinary seminar on a selected topic. May be repeated for credit if topics are different.
- HONS 4000 Honors Independent Study** 1-0-1 to 3-0-3
Prerequisite: HONS 1990 and approval of the Honors Director.
- HONS 4990 Honors Senior Project** 2-0-2
Prerequisite: HONS 1990, 2010, and twenty hours in the Honors Program. Development, assembly, and presentation of an extended research project or portfolio geared along interdisciplinary lines.

INTL: INTERNATIONAL/INTERCULTURAL STUDIES

- INTL 2090 Introduction to International/Intercultural Studies** 3-0-3
An overview of international studies as a field of inquiry and practice. An examination of the primary approaches to international study, the development of a cross-cultural perspective in the study of international problems, and an appreciation of the complexities of cross-cultural communication are emphasized.
- INTL 3000 Foreign Exchange** 0-0-0
A course for foreign students enrolled at VSU under official exchange agreements of the University.
- INTL 3170 Topics in International/Intercultural Studies** 1-0-1 to 3-0-3
Special topics in international studies include on-campus experiences, seminars, and workshops such as the National Model United Nations programs and the spring courses offered in conjunction with the Focus lecture series each spring. May be repeated for credit.
- INTL 3500 Study Abroad** 0-0-0 to 9-0-9
Prerequisite: Acceptance to a VSU study abroad program. Courses for students studying abroad on VSU-approved programs. Students must have written approval from the Center for International Programs and relevant academic units to register for these courses. The number of credit hours granted is dependent on the nature of the program.
- INTL 3510 Study Abroad** 0-0-0 to 9-0-9
Prerequisite: Acceptance to a VSU study abroad program. Courses for students studying abroad on VSU-approved programs. Students must have written approval from the Center for International Programs and relevant academic units to register for these courses. The number of credit hours granted is dependent on the nature of the program.
- INTL 3520 Study Abroad** 0-0-0 to 9-0-9
Prerequisite: Acceptance to a VSU study abroad program. Courses for students studying abroad on VSU-approved programs. Students must have written approval from the Center for International Programs and relevant academic units to register for these courses. The number of credit hours granted is dependent on the nature of the program.
- INTL 4800 Senior Capstone Course** 3-0-3
Prerequisite: Successful completion of a relevant overseas study experience and all other coursework within the minor. Development, assembly, and presentation of an extended research project focused on the student's minor emphasis, under the direction of a faculty supervisor in that field.

INTP: INTERPRETING

- INTP 3010 Introduction to ASL–English Interpretation** 3-0-3
Prerequisite: SPEC 2120. An overview of the field of interpreting, which examines the role of ASL/English interpreters in a variety of setting in which they work, including education; medical, legal, and social services; and other settings. It provides an in-depth analysis and application of the NAD-RID Code of Professional Conduct and ethical decision making.
- INTP 3150 English–ASL Translation** 3-0-3
Prerequisites: SPEC 3110, SPEC 3170. A skills-oriented course designed to provide students with practice translating English to ASL and ASL to English. The primary focus of the class will be on the process of translation, i.e., analysis, transfer and reformulation of the source text in the target language when there is substantial time to consider language form and function, cultural parallelism, and pragmatic aspects of the translation. Students will engage in practice of meaning analysis, written transcription, and signed and spoken translation.

- INTP 4010 Consecutive English/American Sign Language Interpreting** 3-0-3
Prerequisites: COMD 3140, INTP 3010, and SPEC 3140. A skills class designed to provide students with the opportunity to develop and enhance their interpreting skills. The course emphasizes techniques for interpreting spoken instructional and non-instructional activities into American Sign Language.
- INTP 4020 Consecutive American Sign Language/English Interpreting** 3-2-4
Prerequisites: COMD 3140, INTP 3010, and SPEC 3140. A study of the principles and problems relating to interpreting a signed message from the deaf individual into its spoken English equivalent. Emphasis is placed on word choice, register, inflection, clarity, tone, and intent of the message.
- INTP 4030 Consecutive Transliterating English to English Sign Systems** 3-0-3
Prerequisites: COMD 3140, INTP 3010, and SPEC 3140. A course focusing on transliterating skills. Emphasis is placed on techniques for transliterating instructional and non-instructional classes and activities found in the public school system. Particular attention is given to the use of English sign systems as they relate to subject matter that requires an English-based sign system (English, reading, and related language skills courses).
- INTP 4040 Practicum for Educational Interpreters** 1-4-3
Prerequisites: COMD 3140, INTP 3010, and SPEC 3140. Provides advanced students with structured observation of professional interpreters and an opportunity to acquire additional knowledge about the profession of interpreting.
- INTP 4050 Simultaneous English/American Sign Language Interpreting I** 3-0-3
Prerequisites: INTP 3010, INTP 4010, INTP 4020, INTP 4030, and INTP 4040. An extension of INTP 4010. This course is designed to strengthen the skills of advanced-level students so that they are able to interpret accurately a spoken message in American Sign Language.
- INTP 4060 Simultaneous English/American Sign Language Interpreting II** 3-0-3
Prerequisites: INTP 3010, INTP 4010, INTP 4020, INTP 4030, and INTP 4040. A continuation of INTP 4030. This course is designed to strengthen the skills of advanced-level students to interpret accurately information presented in American Sign Language into appropriate spoken English. Emphasis continues to be placed on word choice, register, inflection, clarity, tone, and intent of the message.
- INTP 4070 Simultaneous Transliterating English to English Sign Systems** 3-0-3
Prerequisites: INTP 3010, INTP 4010, INTP 4020, INTP 4030, and INTP 4040. A continuation of INTP 4040. This course is designed to give students additional opportunities to enhance their transliterating skills. Emphasis is placed on techniques for transliterating instructional and non-instructional activities found in the public school system. Continued attention is given to increasing fluency and selecting sign choice equivalencies and structures that best match the spoken message.
- INTP 4080 Educational Interpreting Internship** 1-20-6
Prerequisites: INTP 3010, INTP 4010, INTP 4020, INTP 4030, and INTP 4040. An opportunity for students to work in a school system and apply their interpreting skills in the educational setting. Sites for internships are selected where mentors are available to further promote student growth and development. Students become familiar with the duties and responsibilities that interpreters have in the classroom.

ISCI: INTEGRATED SCIENCE

- ISCI 2001 Life and Earth Science for Early Childhood Education Teachers** 2-2-3
 An integrated overview of the core life and earth science content covered in the K-5 Georgia performance standards. Topics include the solar system, earth processes, characteristics of living organisms, biodiversity, and the natural history of Georgia.

ISCI 2002 Physical Science for Early Childhood Education Teachers 2-2-3

A basic overview of the principles of scientific investigation utilizing topics in physics and chemistry. Transformations and interactions of matter and energy will be studied at the conceptual level. Scientific tools and instruments as well as mathematical skills will be used in scientific activities. Important features of scientific inquiry, including the scientific method, will be emphasized.

JAPN: JAPANESE

JAPN 1001 Beginning Japanese Language and Introduction to Japanese Culture I 3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. JAPN 1001 is not open for credit to students with two or more years of high school Japanese or the equivalent.

JAPN 1002 Beginning Japanese Language and Introduction to Japanese Culture II 3-0-3

Prerequisite: JAPN 1001 or the equivalent. A continuation of JAPN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

JAPN 1111 Intensive Japanese Language and Japanese Culture 3-0-3

Prerequisite: Two or more years of high school Japanese or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. JAPN 1111 is a one-semester combination of JAPN 1001 and JAPN 1002. This course is designed for those students not fully prepared for the 1002 level. JAPN 1111 reviews the concepts presented in JAPN 1001 and advances the student through the material of JAPN 1002.

JAPN 2001 Intermediate Japanese Language and Japanese Culture I 3-0-3

Prerequisite: JAPN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

JAPN 2002 Intermediate Japanese Language and Japanese Culture II 3-0-3

Prerequisite: JAPN 2001 or the equivalent. A continuation of JAPN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

JOUR: JOURNALISM

- JOUR 2500 Journalism Newspaper Seminar** 1-0-1 to 2-0-2
A practicum for students involved in newspaper production. Content, editing, and production (traditional and electronic) will be addressed. In order to register for two hours, students must have already completed one semester of JOUR 2500. May be repeated for credit.
- JOUR 2510 Journalism Newsletter Seminar** 1-0-1
A practicum for students involved in the production of newsletters. Content, editing, and production (traditional and electronic) will be addressed. May be repeated for credit.
- JOUR 3080 Grammar and Editing** 3-0-3
Also offered as ENGL 3080. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. An intensive review of grammar and usage as well as an introduction to the purposes, practices, and techniques of editing standard English. The grammar section of the course will cover such topics as parts of speech and their uses, sentence elements and their effective uses, agreement, punctuation, and parallelism. Students will also be taught fundamental approaches to editing and the practical application of editing techniques.
- JOUR 3500 Introduction to Journalism** 3-0-3
A survey of the development, function, and philosophy of journalism with an emphasis on contemporary attitudes, practices, and problems.
- JOUR 3510 News Writing** 3-0-3
A basic course in writing and reporting for newspapers, with application to other mass communication media. The course acquaints students with the theoretical background and practical experience necessary for them to function effectively in journalistically related fields (newsletter writing, business writing, public relations).
- JOUR 3520 Essential Reporting Skills** 1-0-1
Prerequisite or corequisite: JOUR 3510. A study of practical reporting skills for gathering and presenting information, including basic math, fact-checking techniques, interviewing, speed writing, and radio and television formats.
- JOUR 3530 Special Topics in Journalism** 3-0-3
Selected subjects of interest in journalism.
- JOUR 3540 The Law and Journalism** 3-0-3
A broad application of the principles of law to the mass media with emphasis on the print media. Topics including libel, privacy, obscenity, and free press-fair trial will be covered.
- JOUR 3560 Contemporary American Magazines** 3-0-3
A survey of contemporary American magazines and their role in society. The course focuses on writing for specific audiences, interpreting policy and influence, resolving ethical questions, and reviewing production processes.
- JOUR 3570 Photojournalism** 3-0-3
A basic course in the principles of news photography and black and white photographic techniques. This course will provide students with the fundamental and practical skills needed to photograph news events for newspapers and magazines.
- JOUR 4500 Document Design** 3-0-3
Also offered as ENGL 4500. Prerequisite: JOUR 3510, ENGL 3060, JOUR/ENGL 3080, or permission of instructor. A study of the theory of layout and design, including editorial decision-making, photo editing, and production technology for print and on-line media.
- JOUR 4510 Feature Writing** 3-0-3
Prerequisite: Permission of instructor. A study of the theory and practice of writing a variety of features for newspapers and magazines, with emphasis on intensive research, interviews, use of statistics, and the organization of long articles.

- JOUR 4520 Literary Journalism** 3-0-3
Also offered as ENGL 4520. Prerequisite: JOUR 3510, ENGL 3060, JOUR/ENGL 3080, or permission of instructor. A study of the theory and practice of applying fiction techniques to journalistic fact. The course will explore the relationship between literature and journalism, especially in terms of style and subject matter.
- JOUR 4540 Journalism in the Digital Age** 3-0-3
Prerequisite: JOUR 3510 or permission of instructor. A study of journalistic writing and reporting techniques in the digital age, focusing on the Internet as a reporting tool, computer-assisted reporting, and methods to write effectively for on-line presentation.
- JOUR 4530 Editorial, Column, and Review Writing** 3-0-3
Prerequisite: JOUR 3510. A study of the theory and practice of writing editorials, columns, and reviews.
- JOUR 4550 Reporting** 3-0-3
Prerequisite: JOUR 3510. An advanced course in reporting for the media. Emphasis will be on learning to cope with specialized, often highly technical or complex information. Students will learn the fundamentals of covering local government, law enforcement, and the courts and will deal with the controversial issues of our time.
- JOUR 4700 Directed Study in Journalism** 1-0-1 to 3-0-3
Prerequisite: JOUR 3510. Study in an area or subject not normally found in established courses offered by the department. Permission of adviser, instructor, and department head required. Forms must be completed before registration. May be repeated for credit.
- JOUR 4800 Internship in Journalism** 3-0-3 to 12-0-12
Graded “Satisfactory” or “Unsatisfactory.” Supervised work at a newspaper, magazine, or related publication (traditional or on-line format). The amount of credit depends on the work requirements. Permission to enroll must be secured from the advisor and the department head at least one semester in advance of registration.

KSPE: KINESIOLOGY AND PHYSICAL EDUCATION

- KSPE 1010 Physical Fitness** 0-2-1
 Exercise sessions in the Exercise Science Center designed to improve the components of physical fitness for exercise science benefits. Assessment, interpretation and discussion of physical fitness and selected health related components are included.
- KSPE 1020 Weight Training** 0-2-1
 A beginning course emphasizing proper weight lifting techniques and the benefits of weight training exercises. Students will train the major muscle groups. Attention is given to weight room safety, policies and procedures
- KSPE 1021 Intermediate Weight Training** 0-2-1
 Students learn and practice new weight lifting techniques and will develop a personal weight training program.
- KSPE 1022 Advanced Weight Training** 0-2-1
Prerequisite: Permission of the instructor. Designed to teach power lifting and the Olympic lifts (the clean, the clean & jerk and the snatch).
- KSPE 1030 Step Aerobics** 0-2-1
 A beginning level course in the activity of stepping. Students train towards being able to step up for 30 continuous minutes.
- KSPE 1031 Intermediate Step Aerobics** 0-2-1
Prerequisite: KSPE 1030. An intermediate level course in the activity of stepping.
- KSPE 1050 Fitness Walking** 0-2-1
 Basic walking is used as a modality of exercise and instruction focuses on how walking can be used as a lifetime fitness activity. Students learn how to apply the basic principles of exercise and will be taught to monitor their pulse to assess exercise intensity.

- KSPE 1060 Jogging** 0-2-1
Jogging or running is used as the exercise modality. Attention is given to the various training methods that runners use to improve their performance.
- KSPE 1070 Snow Skiing** 0-2-1
A series of lessons designed for beginning to advanced snow skier. A five-day stay at an appropriate skiing location is required. A fee is required.
- KSPE 1071 Snow Skiing II** 0-2-1
Prerequisite: KSPE 1070. For those who participated in KSPE 1070 and wish to make another ski trip. A fee is required.
- KSPE 1080 Beginning Tennis** 0-2-1
A beginning course in tennis stressing the basics of singles and doubles play. Attention is given to the performance of the basic strokes as well as to the history, rules, etiquette and strategies of play.
- KSPE 1081 Intermediate Tennis** 0-2-1
A continuation of KSPE 1080 designed for those who wish to learn more advanced techniques in the game of tennis. Attention is given to the improvement of the various strokes and to the development of advanced playing abilities.
- KSPE 1100 Beginning Badminton** 0-2-1
A beginning course in badminton stressing the basic rules and strategies of play. Attention is given to the skills needed to participate successfully in the sport.
- KSPE 1101 Intermediate Badminton** 0-2-1
A continuation of KSPE 1100 designed for those who wish to improve their skill level in the game of badminton. Attention is given to developing more advanced levels of game play.
- KSPE 1120 Beginning Golf** 0-2-1
A beginning course designed to teach the basics of the game of golf. Instruction focuses on the grip, stance and basic swing pattern. A fee is required.
- KSPE 1121 Intermediate Golf** 0-2-1
Provides instruction in all facets of the game of golf. Students work at mastering the basic skills by practicing various kinds of shots. A fee may be required.
- KSPE 1150 Bowling** 0-2-1
Instruction is directed to the history, terms, scoring and techniques of bowling. Fee may be required.
- KSPE 1170 Karate** 0-2-1
An introduction to the basics of Shorin-Ji Kempo Karate. Successful completion of the course requirements leads to yellow belt certification.
- KSPE 1240 Beginning Swimming** 0-2-1
Red Cross instruction to equip the individual with the basic water safety skills and knowledge in order to make him or her reasonably safe while in, on or near the water. Designed for the non-swimmer.
- KSPE 1241 Intermediate Swimming** 0-2-1
Prerequisite: Must be able to swim in deep water. A continuation of KSPE 1240 designed to introduce a wide variety of swimming skills.
- KSPE 1250 Scuba Diving** 1-1-1
A beginning course in the skills of scuba diving. Students will learn and practice those scuba skills while working towards NAUI diver certification. A fee is required.
- KSPE 1260 Fitness Swimming** 0-2-1
Prerequisite: Permission of Instructor. Principles and practices of distance and interval conditioning workouts.
- KSPE 1270 Volleyball** 0-2-1
A beginning course designed to teach the fundamental skills, strategies and team concepts of volleyball. Attention will be given to the mastery of the basic skills.

- KSPE 1290 Soccer** 0-2-1
An introductory course designed to present the fundamental skills, strategies, and team concepts of soccer. Attention is given to the skills of dribbling, passing, shooting, trapping, heading and tackling.
- KSPE 1300 Basketball** 0-2-1
An introductory course designed to present the fundamental skills, strategies, and team concepts of basketball. Attention is given to the improvement of the student's existing skill level.
- KSPE 1380 Special Topics: Physical Activity** 0-2-1 to 1-4-2
Course designed to allow participation in special physical education activities not offered in the regular curriculum. May be repeated.
- KSPE 1390 Varsity Athletics** 0-2-1
Prerequisite: Member of a VSU Varsity Athletics Team. Development of skills, techniques and strategies of athletic performance through participation in the intercollegiate varsity athletic program. May be taken once during any academic year, and may be repeated for credit. Does not meet physical education activity requirement for education majors.
- KSPE 2000 Health and Wellness for Life** 2-0-2
A course of study investigating the major health problems in modern society, with emphasis on methods of understanding and developing lifestyle changes for longer and healthier life. Information on topics such as alcohol, drugs, stress management, nutrition, sexually transmitted diseases, pregnancy and parenthood, cigarette and tobacco use, cancer, and cardiovascular diseases will be discussed.
- KSPE 2010 Fitness and Team Activities** 1-4-3
Restricted to Health and Physical Education majors only. Instructional techniques of soccer, speedball, volleyball, floor hockey, tumbling, health-related fitness, and elementary school physical education activities.
- KSPE 2020 Lifetime Activities** 1-4-3
Restricted to Health and Physical Education majors only. Instructional techniques of golf, tennis, frisbee, orienteering, adventure education, rhythms, and badminton.
- KSPE 2050 Introduction to Sports Medicine/Athletic Training** 1-2-2
Prerequisite: Overall GPA of 2.75. Co-requisite: KSPE 2151. An introduction to sports medicine, this course provides basic information concerning the required competencies for NATA (National Athletic Trainers Association) certification in athletic training.
- KSPE 2070 Lifeguard Training** 1-2-2
Prerequisite: Demonstrate swimming competency. Red Cross course to lead to certification as a lifeguard.
- KSPE 2080 Water Safety Instructor** 1-2-2
Prerequisite: Demonstrate swimming competency. Red Cross course to lead to certification as a swimming instructor.
- KSPE 2101 Foundations & Technology in Health and Physical Education** 2-2-3
Information relative to the history, principles, important leaders, and philosophical bases of health and physical education. Introduction to the applications of technology usage in health and physical education disciplines, including discipline-specific software, web research, e-mail, portfolio creation, and web page construction. Designed for health and physical education majors only.
- KSPE 2150 First Aid - CPR** 1-2-2
A study of the techniques of emergency first aid, cardiopulmonary resuscitation (adult, child, and infant) and accident prevention. Emphasis will be placed on examining the interrelationships among human behavior, the environment and accidents. Opportunity exists for each student to earn American Red Cross CPR certification and First Aid certification. Material purchase required.

- KSPE 2151 Advanced First Aid and CPR for Athletic Trainers** 1-2-2
Prerequisite: Overall GPA of 2.75. Co-requisite: KSPE 2050. A study of the advanced techniques of emergency first aid, cardiopulmonary resuscitation (CPR), automated external defibrillator application, airway management, and oxygen administration. Students may earn a national First Aid and CPR certification.
- KSPE 2800 Life Skills** 2-0-2
 A general overview of educational experiences and skills needed to develop well-balanced lifestyles. Emphasis is placed on decision making, values, goal setting, study skills, nutrition, sexual responsibility, alcohol and drug awareness, career planning and fiscal responsibility. Course is designed for student athletes.
- KSPE 2999 Entry to the Education Profession** 0 hours credit
Graded "Satisfactory" or "Unsatisfactory." A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an "Unsatisfactory" grade is earned, the course must be repeated until a "Satisfactory" grade is received.
- KSPE 3010 Exercise Testing and Prescription I** 3-0-3
Prerequisite: Acceptance to the Exercise Physiology Program. A concentrated study of the principles of exercise testing and prescription for the apparently healthy adult including the health appraisal, risk assessment, and interpretation of data. The American College of Sports Medicine exercise guidelines are emphasized.
- KSPE 3011 Exercise Testing and Prescription II** 3-0-3
Prerequisites: Acceptance to the Exercise Physiology Program and KSPE 3010. A continuation of KSPE 3010, with emphasis on cardiovascular, pulmonary, and metabolic disease; the role and mechanism of action for medications such as alpha and beta blockers, calcium channel blockers, ACE inhibitors, nitrates, peripheral vasodilators, and diuretics. Additional classifications to be reviewed include inotropic, anti-arrhythmic, anti-thrombosis, lipid-lowering, hypo/hyperglycemic, anti-inflammatory, and bronchodilators.
- KSPE 3020 Assessments in Exercise Physiology** 1-4-3
Prerequisites: KSPE 3420 and KSPE 3010 and admission to the Exercise Physiology Program or permission of the Sports Medicine curriculum director. Development of knowledge, skills, and abilities in selecting, administering, and interpreting standardized health, athletic, and physiological-related physical fitness tests.
- KSPE 3050 Care and Prevention of Exercise-Related Injuries** 2-2-3
Prerequisites: Acceptance to the Exercise Physiology Program and KSPE 3430. Basic knowledge, skills, and abilities required for the prevention, treatment, and rehabilitation of common injuries related to physical activity. Students will also undergo First Aid and Basic Life Support training, which will include the utilization of an Automated External Defibrillator.
- KSPE 3141 First Aid/CPR and Care and Prevention of Athletic Injuries** 2-2-3
Prerequisite: KSPE 2999. Provides the student with pertinent information relative to various techniques of emergency, first aid, cardiopulmonary resuscitation (infant, child, and adult) and accident prevention. Opportunity exists for American Red Cross CPR certification and first aid certification. Exposure to basic concepts and techniques related to physical activity and athletic injury prevention, treatment, and rehabilitation. Designed for health and physical education majors.
- KSPE 3160 Special Topics in Exercise Science** 1-0-1 to 4-0-4
Prerequisite: permission of the instructor. A flexible course of study dealing with current events or special topics in exercise science. May be repeated.

- KSPE 3200 Nutrition for Health and Human Performance** 3-0-3
Prerequisite: Exercise physiology majors must have met program entry requirements. Health and physical education majors must have been admitted into the program and passed KSPE 2999. Sports medicine majors may be allowed to take the course with approval of the program coordinator and the instructor. An introduction to the characteristics of the essential dietary nutrients and their respective roles in the body. Emphasis is placed on the effects of nutritional practices on health and human performance.
- KSPE 3301 Contemporary Health Issues** 3-0-3
Prerequisite: KSPE 2999. Designed to provide pertinent information relative to selective health content areas often viewed as controversial, including death and dying, human sexuality, character education, violence, and mental and emotional health. Stress-related content will be infused into the mental and emotional areas as well as many of the other content offerings in the course. Emphasis is placed primarily on content of each health category across elementary, middle, and secondary school levels.
- KSPE 3330 Health and Physical Education Methods for Early Childhood and Middle School Teachers** 3-0-3
Prerequisite: Appropriate 2999 course. A study of teaching methods and curricular options used to fulfill psychomotor, cognitive and affective objectives in the fields of health and physical education. The three areas of school health (services, environment and instruction) are discussed. Activities that are developmentally appropriate are also studied.
- KSPE 3360 Chronic Disease Epidemiology** 3-0-3
Prerequisites: Acceptance to the Exercise Physiology Program and grade of “C” or higher in MATH 2620. Introduction to the distribution and determinants of chronic diseases in the population. Causal relationships laying the groundwork for programs of prevention and control emphasized. Commonly used epidemiological statistics and research methods discussed.
- KSPE 3401 Instructional Planning and Evaluation** 3-0-3
Prerequisite: KSPE 2999. Provides the student with pertinent information relative to basic instructional and planning methodologies, basic statistics, data analysis, assessment and evaluation procedures and instruments across the psychomotor, cognitive, and affective domains, and the application of this content within the health and physical education setting.
- KSPE 3410 Biomechanics** 2-2-3
Prerequisites: Acceptance to the Exercise Physiology Program and KSPE 3430. A concentrated study of the dynamics and mechanical analysis of human movement.
- KSPE 3411 Human Movement Applications** 3-2-4
Prerequisite: KSPE 2999. Information on neuroanatomy and neurophysiology relative to motor development and motor learning, coupled with functional anatomy as it pertains to the dynamics of human motion. Emphasis is placed on mechanical analysis of human movement.
- KSPE 3420 Exercise Physiology** 2-2-3
Prerequisite: Grade of “C” or higher in BIOL 2651. Exercise physiology majors must have met program entry requirements. Health and physical education majors must have been admitted into the program and passed KSPE 2999. Sports medicine majors may be allowed to take the course with approval of the program coordinator and the instructor. An understanding of how the body, from a functional standpoint, responds, adjusts, and adapts to exercise. Topics include bioenergetics, neuromuscular concepts, cardiorespiratory considerations, physical training, and environmental concerns involving physical activity, athletic performance, and health-related fitness.
- KSPE 3430 Kinesiology** 2-2-3
Prerequisites: Acceptance to the Exercise Physiology Program and grade of “C” or better in BIOL 2651. Basic physical concepts as they apply to human movement are explored. Structural anatomy, neuromuscular physiology and biomechanical principles as they apply to sport skills and fitness activities are emphasized.

- KSPE 3440 Athletic Training Clinical Proficiencies I** 0-2-1
Prerequisite: KSPE 2050. A study of manipulative and motor skills required to perform athletic training techniques in clinical settings. Techniques reflect those presented in lecture courses.
- KSPE 3441 Athletic Training Clinical Proficiencies II** 0-2-1
Prerequisite: Admission to the Sports Medicine/Athletic Training Program. A study of manipulative and motor skills required to perform athletic training techniques in clinical settings. The course includes but is not limited to evaluation and assessment of extremities, kinesiology, and injury care and prevention.
- KSPE 3450 Comprehensive Health Education** 3-0-3
Prerequisite: KSPE 2999. Investigation of the major models and health content areas applicable to the delivery of health education in the public school setting. Information pertaining to elementary, middle, and secondary level students. Topics such as health-related historical developments, health screening protocols, control of communicable diseases, preventive health services, safety, body systems, dental health, consumer health, alcohol, drugs, cigarette and tobacco use, cancer, cardiovascular disease prevention, physical activity and physical fitness, and others are discussed. For health and physical education majors only.
- KSPE 3460 Health Education Methods and Materials** 3-0-3
Prerequisite: KSPE 2999. Pertinent information relative to selected health instructional techniques specifically addressed in the public school setting. Attention to learning activities appropriate for school health programs in elementary, middle grades, and secondary schools, health education models, health promotion, and related content-specific issues included in school health curricula. Appropriate classroom management and motivational strategies for behavioral modification in health education. Opportunities for classroom teaching experiences with micro-teaching and public school health teaching episodes.
- KSPE 3650 Resistance and Training Program Development** 2-2-3
Prerequisites: Acceptance to the Exercise Physiology Program and KSPE 3430. Development, instruction, supervision, and evaluation of muscular fitness and flexibility programs for diverse populations and settings using a variety of training modalities. Based upon competencies required for ACSM, NATA, and NSCA certifications.
- KSPE 3700 Elementary Physical Education Methods and Content** 3-0-3
Prerequisite: KSPE 2999. Designed to provide the student with information related to instruction in physical education methodologies and content for preschool through fifth grade public school students. Field experiences in the public schools are required.
- KSPE 3860 Legal Aspects in the Sport Sciences** 2-0-2
 Designed to give the student understanding and appreciation of the legal aspects of physical education, athletic training, and recreation professions.
- KSPE 3910 Principles and Methods of Adapted Physical Education** 1-2-2
 Designed to introduce students to instruction in physical education provided for individuals with special needs. Topics pertaining to significant legislation, various special needs population characteristics, planning and assessment are presented. Field experience exposures are required.
- KSPE 3911 Diversity in Sport and Physical Education** 3-0-3
Prerequisite: KSPE 2999. Introduction to physical education and sport for exceptional children and diverse populations. Overview of litigation and the passage of various federal laws pertaining to human diversity in physical education and sport, including diverse cultures, race ethnicity, sexual identity, religious diversity, socio-economics, physical differences, learning differences, intellectual diversity, health differences, communication diversity, behavior differences, sensory diversity, and family diversity. Psychological and sociological forces affecting participants or physical activity and the developmental individual approach to instruction.
- KSPE 4040 Pediatric Exercise Physiology** 2-2-3
Prerequisite: KSPE 3420, KSPE 3020, and acceptance to the Exercise Physiology Program. The physiological differences between children and adults relative to exercise performance. Variables such as size, biomechanics, neuromuscular, reproductive, hormonal, and cardiovascular-respiratory differences will be examined.

- KSPE 4070 Exercise Cardiopulmonary Physiology** 3-0-3
Prerequisites: Acceptance to the Exercise Physiology Program and KSPE 3420. A concentrated study in the exercise physiology of the healthy and diseased cardiopulmonary system. Emphasis on cardiopulmonary adaptations to acute and chronic exercise and on normal versus abnormal conditions and their effects on exercise testing and training.
- KSPE 4080 Exercise Electrocardiography** 3-0-3
Prerequisites: Acceptance to the Exercise Physiology Program. A basic understanding of the 12-lead electrocardiogram as it relates to graded exercise testing, training, and functional evaluation. The course is designed particularly to assist the clinical exercise physiologist in developing the skills required for quickly identifying electrocardiographic patterns at rest and during exercise.
- KSPE 4090 Exercise Cardiopulmonary Medications** 3-0-3
Prerequisite: Grade of “C” or higher in KSPE 4080. Designed to assist the clinical exercise physiologist understand the mechanisms of principal action, major side effects, symptoms of drug intolerance or toxicity, and how they may affect exercise testing and training, including the electrocardiogram.
- KSPE 4130 Exercise Cardiopulmonary Rehabilitation** 3-0-3
Prerequisites: Acceptance to the Exercise Physiology Program and KSPE 4070. A study of multi-phasic and multi-disciplinary programs designed to restore to a productive life the individual with cardiopulmonary disease. Common medical treatments and diagnostic procedures and treatments reviewed. Emphasis on the American College of Sports Medicine and the American Association of Cardiovascular and Pulmonary Rehabilitation guidelines.
- KSPE 4210 Clinical Exercise Physiology** 3-0-3
Prerequisites: Acceptance to the Exercise Physiology Program, KSPE 3010, KSPE 3420, and KSPE 4070. An advanced course in the physiology of exercise as it relates to the clinical exercise physiologist or health care professional. The integration of the body’s various systems relative to the prevention and therapeutic role of exercise will be examined. Case study assignments will focus on problem-oriented management of subjective and objective data.
- KSPE 4220 Management of Physical Education Programs** 3-0-3
Prerequisite: KSPE 2999. A study of administrative theory and principles as they relate to the process of planning, organizing, supervision, personnel, budget, facility design, risk management, and other issues that are related to operating physical education and sports programs in educational and community settings.
- KSPE 4250 Organization and Administration Strategies in Athletic Training** 3-0-3
Prerequisite: KSPE 2050. A study of management techniques used in typical athletic training settings. General topic areas to include facility design, human resource management, information processing, and financial management techniques. Athletic injury insurance and legal considerations in athletic training will also be covered.
- KSPE 4300 Foundations of Injury Prevention and Care** 2-2-3
Prerequisite: KSPE 2050 or consent of instructor. Provides the student with knowledge concerning sports injury prevention, treatment, and taping skills. Emphasis is placed on protocols common in the athletic training profession.
- KSPE 4350 Evaluation and Assessment in Sports Medicine/Athletic Training I** 2-2-3
Prerequisite: Admission to the Sports Medicine/Athletic Training Program or consent of instructor. Advanced principles addressing athletic injuries that commonly occur to the head, neck, trunk, and upper and lower extremities with regard to evaluation protocol and tests.
- KSPE 4360 Evaluation and Assessment in Sports Medicine/Athletic Training II** 2-2-3
Prerequisite: KSPE 4350 or consent of instructor. Advanced principles addressing athletic injuries that commonly occur to the head, neck, trunk, and upper and lower extremities with regard to evaluation protocol and tests.

- KSPE 4400 Therapeutic Modalities and Pharmacology in Sports Medicine/Athletic Training** 2-2-3
Prerequisite: KSPE 4360 or consent of instructor. An introduction to basic rehabilitation principles in the sports medicine profession in addition to the use of therapeutic modalities available in this process.
- KSPE 4410 Athletic Training Practicum** 0-0-4
Prerequisite: KSPE 4400.
- KSPE 4420 Athletic Training Internship** 0-0-4
Prerequisite: KSPE 4400.
- KSPE 4430 Athletic Training Field Experience** 0-0-12
Corequisite 4700. Prerequisite: Completion of all coursework, overall GPA of 2.75, and approval of the Program Director.
- KSPE 4440 Athletic Training Clinical Proficiencies III** 0-2-1
Prerequisite: Admission to the Sports Medicine/Athletic Training Program. A study of manipulative and motor skills required to perform athletic training techniques in clinical settings. The course includes but is not limited to evaluation and assessment of head, neck, and trunk injuries; rehabilitation; and organization and administration in athletic training settings.
- KSPE 4441 Athletic Training Clinical Proficiencies IV** 0-2-1
Prerequisite: Admission to the Sports Medicine/Athletic Training Program. A study of manipulative and motor skills required to perform athletic training techniques in clinical settings. The course includes but is not limited to field assessment, therapeutic modalities, pharmacology, and rehabilitation.
- KSPE 4450 Sport Related Illnesses and Conditions** 3-0-3
Prerequisite: KSPE 4360. Investigating signs, symptoms, and treatments of illnesses and conditions common to athletes but not addressed in previous sports medicine/athletic training courses.
- KSPE 4490 Rehabilitation Techniques in Sports Medicine/Athletic Training I** 3-0-3
Prerequisite: KSPE 2050. Provides the student with the knowledge needed to develop comprehensive rehabilitation programs. The development of therapeutic goals and objectives, exercise gradation, and methods of evaluating rehabilitation progress will be stressed.
- KSPE 4491 Rehabilitation Techniques in Sports Medicine/Athletic Training II** 1-2-2
Prerequisites: KSPE 4490. A continuation of KSPE 4490, with emphasis on the practical applications of rehabilitation principles. Current surgical techniques and therapeutic exercise protocols are emphasized.
- KSPE 4510 Exercise Physiology Practicum** 0-6-3
Prerequisites: Acceptance to the Exercise Physiology Program and a minimum cumulative GPA of 2.5 for completed courses within the professional program. Students must have a current CPR, professional liability insurance, and the completed graduation checklist returned from the Registrar. Designed to evaluate, review, and master the competencies required for the clinical or applied exercise physiologist prior to enrollment in KSPE 4500 Exercise Physiology Internship. Each student is required to sit for at least one of the following professional certification examinations: American College of Sports Medicine Health Fitness Instructor, Exercise Specialist, or the National Strength and Conditioning Association National Strength and Conditioning Specialist. The certification examinations may be taken within the last two semesters of study as specified by each professional organization.
- KSPE 4550 Exercise Physiology Internship** 0-0-12
Prerequisites: Acceptance to the Exercise Physiology Program . All requirements for the B.S. in Exercise Physiology degree, except KSPE 4550. Student must possess a current CPR card and professional liability insurance. The student is required to work 40 hours per week for a minimum of 10 weeks, or 400 cumulative hours. Students must

complete a major project or paper related to some aspect of the internship site, teach at least two educational classes, and submit a weekly log of their daily activities. The internship site must reflect an area directly related to the field of clinical or applied exercise physiology.

KSPE 4570 Directed Study in Health 1-0-1 to 3-0-3

Prerequisite: Approval of Instructor and Department Head. Development and in-depth study of an approved topic of interest related to the field of health, health education, exercise science, or sports medicine/athletic training.

KSPE 4580 Directed Study in Physical Education 1-0-1 to 3-0-3

Prerequisite: Approval of Instructor and Department Head. Development of an in-depth study of an approved topic of interest related to the field of physical education.

KSPE 4600 Athletic Training Ethics and Psychosocial Issues 3-0-3

Prerequisite: Admission to the Sports Medicine/Athletic Training Program or consent of instructor. A study of the knowledge and skills that certified athletic trainers must possess to recognize the sociocultural, mental, emotional, and physical behaviors of those involved in physical activity for intervention and referral. Recognizing professional responsibilities is also stressed.

KSPE 4650 Applied Structural Anatomy and Kinesiology 2-2-3

Prerequisite: KSPE 4360. In-depth study of human structural and neuromuscular anatomy. Special emphasis is placed upon analysis of the extremities and joint structures as related to sport, injury conditions, and exercise prescriptions.

KSPE 4700 Athletic Training Professional Practice Seminar 1-2-2

Corequisite KSPE 4430. Reflection on educational competencies and clinical proficiencies. Refinement of skills and concepts emanating from Athletic Training Field Experience (KSPE 4430)

KSPE 4710 Middle Grade & Secondary Physical Education Methods & Content 3-0-3

Prerequisite: KSPE 2999. This a check-point course, and check-point requirements must be met. Designed to provide the student with information related to instruction in physical education methodologies and content for middle grade and secondary public school students. Significant field experience exposures are required in the public schools.

KSPE 4780 Internship in Physical Education 0-0-6

Prerequisite: Completion of coursework and approval of department.

KSPE 4790 Student Teaching in Health and Physical Education 0-0-10

Prerequisites: KSPE 2999 and completion of all course requirements. Co-requisite: KSPE 4800.

KSPE 4800 Professional Practice Seminar 2-0-2

Prerequisites: KSPE 2999 and completion of all course work and a 2.5 GPA. Co-requisite: KSPE 4790. Reflection of educational practices and refinement of concepts emanating from student teaching experience.

LATN: LATIN

LATN 1001 Beginning Latin Language and Introduction to Roman Culture I 3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. LATN 1001 is not open for credit to students with two or more years of high school Latin or the equivalent.

LATN 1002 Beginning Latin Language and Introduction to Roman Culture II 3-0-3

Prerequisite: LATN 1001 or the equivalent. A continuation of LATN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

- LATN 1111 Intensive Latin Language and Roman Culture** 3-0-3
Prerequisite: Two or more years of high school Latin or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. LATN 1111 is a one-semester combination of LATN 1001 and LATN 1002. This course is designed for those students not fully prepared for the 1002 level. LATN 1111 reviews the concepts presented in LATN 1001 and advances the student through the material of LATN 1002.
- LATN 2001 Intermediate Latin Language and Roman Culture** 3-0-3
Prerequisite: LATN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: listening, reading, and writing, and some speaking within a limited context. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.
- LATN 2002 Fundamentals of Roman Literature and Roman Culture** 3-0-3
Prerequisite: LATN 2001 or the equivalent. Emphasis on epic poetry (Virgil's Aeneid) and on proficiency and communicative competence at the intermediate level in the four basic skills: listening, reading, and writing, and to some extent, speaking. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

LEAS: LEGALASSISTANT STUDIES

- LEAS 1100 Introduction to Paralegalism** 3-0-3
 An introduction to the field of paralegalism. The course will include the role of the paralegal in the legal system, the regulation and ethics of practice and the skills necessary for successful practice.
- LEAS 3200 Legal Research I** 3-0-3
Prerequisite: LEAS 1100. A study of legal research methods utilizing state and federal sources. Students will develop professional skills as they read and analyze appellate court opinions, legislation and pleadings.
- LEAS 3201 Legal Research II** 3-0-3
Prerequisites: LEAS 1100 and LEAS 3200. A continuation of Legal Research I. This course will emphasize computer assisted legal research skills as well as the preparation of legal documents.
- LEAS 3210 Pre-Trial Preparation and Procedures** 3-0-3
Prerequisite: LEAS 1100. The study of pre-trial procedures and tactics in civil and criminal cases. The course will include methods of investigation, interviewing clients, preparation of clients and witnesses for testifying, competency of evidence, preparation of interrogatories, other discovery methods, and pleadings.
- LEAS 3220 Business Entities** 3-0-3
Prerequisite: LEAS 1100. The study of corporate, partnership and agency law. This course will examine the applicable law as well as the formation and dissolution of various types of business entities.
- LEAS 3230 Criminal Law for the Paralegal** 3-0-3
Prerequisite: LEAS 1100. The study of procedural and substantive criminal law. The application, interpretation, and enforcement of criminal law will be addressed. The role of the paralegal in the criminal justice system will be emphasized.
- LEAS 3240 Civil and Criminal Procedure** 3-0-3
Prerequisite: LEAS 1100. The study of the methods used to litigate civil and criminal cases in both state and federal court. The preparation of documents necessary to move cases through the courts will be emphasized, as well as the role of the paralegal in litigation.

- LEAS 4200 Family Law** 3-0-3
Prerequisite: LEAS 1100. The study of applicable law surrounding family relationships. The issues of adoption, marriage, divorce, alimony, child custody and support, and property division, will be addressed.
- LEAS 4210 Consumer Law** 3-0-3
Prerequisite: LEAS 1100. The study of the laws that govern consumer practices. The law surrounding commercial paper, contracts, sales, and secured transactions will be emphasized.
- LEAS 4220 Administrative Law** 3-0-3
Prerequisite: LEAS 1100. The study of laws governing administrative agencies of government. Special emphasis will be placed on the role of the paralegal in dealing with various administrative agencies.
- LEAS 4230 The Law of Real Property Transactions** 3-0-3
Prerequisite: LEAS 1100. The study of laws that control real property transactions. Topics include the conveyancing of real property, title search methods and landlord-tenant issues.
- LEAS 4250 Trial Advocacy** 3-0-3
Also offered as POLS 4250. An examination of all aspects of presenting a case in trial. Students develop effective methods for analyzing and preparing cases for presentation in trial. Students will learn and use basic technical skills necessary as members of the University's Mock Trial Team at tournaments sponsored by the American Mock Trial Association.
- LEAS 4700 Directed Study in Legal Assistant Studies** 1-0-1 to 3-0-3
Prerequisites: Legal Assistant Studies major and LEAS 1100. Directed reading and research in selected areas of legal assistant studies. Topics examined will include those not normally found in established legal assistant studies courses. Regular conferences between instructor and student will be required. Permission of the advisor, instructor and department head must be obtained prior to registration.
- LEAS 4802 Special Topics in Legal Assistant Studies** 3-0-3
Prerequisite: LEAS 1100. Selected topics of interest in legal assistant studies.
- LEAS 4900 Internship in Legal Assistant Studies** 3-0-3
Prerequisite: Legal Assistant Studies major, LEAS 1100 and LEAS 3200. Permission of the advisor, instructor and department head must be obtained prior to registration. Supervised, practical experience in an appropriate legal setting.

LIBS: LIBRARY SCIENCE

- LIBS 1000 Introduction to Library Resources** 1-0-1
 Designed to promote an awareness of Valdosta State University Library Services and general information resources, including the role of information in society, research skills, the Internet, and critical thinking skills.
- LIBS 2000 Introduction to Specialized Library Resources** 1-0-1 to 2-0-2
 Offered at departmental request. A study of the reference resources essential to majors in the department requesting the course.

LING:LINGUISTICS

- LING 4000 Elements of Linguistics** 3-0-3
Prerequisite or co-requisite: ENGL 2110 or 210H, 2120 or 2120H, 2130 or 2130H, or 2140. A study of applied linguistics which examines the nature, structure, and diversity of language, including the phonological, syntactic, and semantic patterns of English in contrast to features of other selected languages. The course may be part of the 9-hour sequence for those seeking an English to Speakers of Other Languages (ESOL) endorsement to a Georgia state teaching certificate.
- LING 4160 Sociolinguistics** 3-0-3
Prerequisite or Co-requisite: LING 4000. A study of the nature of language and the relationships between language and culture. Emphasis on cultural and social factors affecting language. The course may be part of the 9-hour sequence for those seeking an English to Speakers of Other Languages (ESOL) endorsement to a Georgia state teaching certificate.

MATH:MATHEMATICS

- MATH 0097, MATH 0099**
See the Learning Support Section on the last page of the course offerings.
- MATH 1101 Introduction to Mathematical Modeling** 3-0-3
A study of algebraic topics from a modeling perspective. Introduction to different types of models including linear, quadratic, polynomial, exponential, and logarithmic. Emphasis is on gathering, presentation, and interpretation of data by using real-world examples as models.
- MATH 1111 College Algebra** 3-0-3
Algebraic topics including polynomials, rational expressions, equations, inequalities, graphing, exponents and radicals, relations and functions through exponential and logarithmic functions.
- MATH 1112 Trigonometry** 3-0-3
Prerequisite: MATH 1111 or equivalent. Circular, trigonometric, and inverse functions, mathematical induction, the binomial theorem, and complex numbers.
- MATH 1113 Precalculus** 3-0-3
Prerequisite: Either MATH 1112 or both a Mathematics SAT score greater than 549 and a strong background in high school mathematics including the equivalent of MATH 1112. Study of polynomial, rational, and transcendental functions and applications, conic sections, polar coordinates, parametric equations, and mathematical induction.
- MATH 1113H Honors Precalculus** 3-0-3
Prerequisite: Either MATH 1112 or both a mathematics SAT score greater than 549 and a strong background in high school mathematics including the equivalent of MATH 1112. Study of polynomial, rational, and transcendental functions and applications, conic sections, polar coordinates, parametric equations, and mathematical induction. Focus on concepts and real-world applications.
- MATH 1261 Survey of Calculus I** 3-0-3
Prerequisite: MATH 1111 or MATH 1101. Topics include limits, continuity, differentiation of functions of one variable, and applications.

- MATH 1262 Survey of Calculus II** 3-0-3
Prerequisite: MATH 1261. A continuation of Survey of Calculus I. Topics include techniques and applications of integration of functions of one and several variables, and techniques and applications of differentiation of functions of several variables.
- MATH 2008 Foundations of Numbers and Operations** 3-0-3
Prerequisite: Math 1101, Math 1111, or Math 1113. An introductory mathematics course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of number and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics.
- MATH 2150 Introduction to Linear Algebra** 3-0-3
Prerequisite: MATH 2261 or consent of instructor. Systems of linear equations, matrices, determinants, and their properties; vectors and inner products; vector spaces; linear transformations; eigenvalues and eigenvectors. Special emphasis is placed on applications.
- MATH 2160 Mathematical Inquiry for Teachers** 3-0-3
Prerequisite: MATH 1101 or MATH 1111, with a grade of “C” or higher. An inquiry-based, problem-centered treatment of mathematics, including the general content areas of probability, statistics, geometry, and algebra. Designed for ECED, MGED, and SPEC majors.
- MATH 2261 Analytic Geometry and Calculus I** 4-0-4
Prerequisite: MATH 1112 or preferably MATH 1113. Introduction to limits, derivatives, integration, fundamental theorem of calculus, and applications.
- MATH 2261H Honors Analytic Geometry and Calculus I** 4-0-4
Prerequisite: MATH 1113 or its equivalent and a Math SAT score greater than 549. This enriched version of MATH 2261 will introduce limits, differentiation, integration, the fundamental theorem of calculus, and applications.
- MATH 2262 Analytic Geometry and Calculus II** 4-0-4
Prerequisite: MATH 2261. Integrals; exponential, logarithmic, trigonometric, and inverse functions; applications of calculus; parametric equations; polar coordinates; sequences and series.
- MATH 2263 Analytic Geometry and Calculus III** 4-0-4
Prerequisite: MATH 2262. Three-dimensional analytic geometry; functions of several variables; partial derivatives; multiple integrals, line and surface integrals.
- MATH 2620 Statistical Methods** 3-0-3
Prerequisite: MATH 1111 or MATH 1101. An introductory course in statistics. Topics include descriptive statistics; basic notions of probability, random variables, probability distributions, simple random sampling, and sampling distributions; confidence intervals and hypothesis tests; and regression. The application of statistical methodology and the use of computer software are emphasized.
- MATH 3000 Tutoring in Mathematics** 2-0-2
Prerequisite: Consent of Tutoring Center Director. Graded “Satisfactory” or “Unsatisfactory.” Philosophy and fundamentals of one-to-one tutoring in mathematics that takes place in the Tutoring Center. Review of basic mathematical concepts in algebra and calculus. Introduction to current technology for enhancement of mathematics instruction. Students must complete this course, designed for the Tutoring Center tutors in mathematics, prior to tutoring in the center or must register for this course during their first semester of tutoring.
- MATH 3010 History of Mathematics** 3-0-3
Prerequisite: MATH 2261. A study of the development of mathematics from primitive times to the 20th century; including numeral systems, arithmetical methods, origins of algebra, geometry, trigonometry, analytic geometry, calculus; and selected topics from modern mathematics.
- MATH 3040 Set Theory** 3-0-3
Prerequisite: MATH 2262. Propositional and predicate logic; mathematical induction. Logic and structure of sets as related to mathematical proof. Relations, and cardinality.

- MATH 3080 Algebraic Structures** 3-0-3
Prerequisite: MATH 3040. An examination of the structural foundations of the secondary school algebra curriculum. Topics include rings, integral domains, groups (including groups of transformations) and polynomials. Emphasis on development of students' deductive reasoning and proof techniques.
- MATH 3140 Mathematics for Special Education Teachers** 3-0-3
Prerequisite: MATH 1111. Fundamental mathematical concepts beginning with prenumber notions and then extending to number concepts, numeration systems, and computational algorithms for whole and rational numbers; geometry and measurement, and the role of technology in mathematics instruction.
- MATH 3161 Mathematics for Early Childhood Teachers I** 3-0-3
Prerequisite: EDUC 2999 or SPEC 2999 and a grade of "C" or higher in either MATH 1101 or MATH 1111. An in-depth study of the concepts and processes underlying the P-5 school mathematics curriculum, with special emphasis on numeration, number systems, estimation, algebraic thinking, and computational algorithms. Problem solving and historical context serve as unifying strands.
- MATH 3162 Mathematics for Early Childhood Teachers II** 3-0-3
Prerequisite: Grade of "C" or higher in Math 3161. An in-depth study of concepts and processes underlying the P-5 school mathematics curriculum, with special emphasis on measurement, geometry, and the fundamentals of probability and statistics. Problem solving and historical context serve as unifying strands.
- MATH 3180 Mathematics for Middle School Teachers** 3-0-3
Prerequisite: Grade of "C" or higher in either MATH 1101 or MATH 1111. Concepts and processes that provide the foundation for the middle-grades mathematics curriculum (5-8). Includes an in-depth study of the real number system with emphasis on the rational number system and axiomatic differences among number systems. Other topics include relations and functions, geometry (including coordinate geometry and graphing), measurement, and elementary probability and statistics.
- MATH 3190 Algebra and Geometry for Teachers** 3-0-3
Prerequisite: Grade of "C" or higher in either MATH 2261 or MATH 3180. An in-depth study of the concepts and processes underlying the middle and secondary school mathematics curriculum, with special emphasis placed upon the integrated development of algebra, geometry, and analytical geometry. Problem solving and historical context serve as unifying strands.
- MATH 3340 Ordinary Differential Equations** 3-0-3
Prerequisite: MATH 2262 or consent of instructor. Differential equations of first and second order, linear equations of higher order, and applications.
- MATH 3510 Foundations of Geometry** 3-0-3
Prerequisite: MATH 3040. A study of Euclidean and non-Euclidean plane geometry from both synthetic and metric approaches. Topics include concepts related to incidence, betweenness, plane separation and convexity, congruence, and parallelism, with some attention given to geometric transformations.
- MATH 3600 Probability and Statistics** 3-0-3
Prerequisite: MATH 2262 or MATH 1262, with a grade of "C" or higher. Descriptive statistics, probability distributions for discrete and continuous random variables, statistical inference, one way analysis of variance, and regression analysis.
- MATH 3900 Mathematical Theory of Interest** 3-0-3
Prerequisite: MATH 2262. A treatment of the mathematical theory and the practical applications of the various measures of interest. Included in the topics to be covered are simple and compound interest, continuous annuities, varying annuities, amortization, sinking funds, bonds, valuation of securities.

- MATH 4081 Modern Algebra I** 3-0-3
Prerequisite: MATH 4150 or MATH 3040 or consent of instructor. Topics from groups, rings, and fields. Subgroups, cyclic groups, permutation groups, normal subgroups, homomorphisms, Cayley's and Lagrange's Theorems, factor groups, abelian groups, direct products. Introduction to rings and fields.
- MATH 4082 Modern Algebra II** 3-0-3
Prerequisite: MATH 4081. Continuation of MATH 4081 with emphasis on rings and fields. Rings, integral domains, and fields. Vector spaces, extension fields, finite fields.
- MATH 4085 Applied Modern Algebra** 3-0-3
Prerequisite: MATH 4081. Lattices, Boolean algebras, semigroups, binary group codes, binary relations, and graphs. Special emphasis is placed on applications.
- MATH 4110 Number Theory** 3-0-3
Prerequisite: MATH 2262. Elementary properties of integers including divisibility, unique factorization, progressions and prime numbers. Linear congruences and residue classes, complete and reduced residue systems, Chinese Remainder Theorem, quadratic residues, law of quadratic reciprocity, Theorems of Fermat and Wilson, Fibonacci and perfect numbers, sums of squares, elementary theory of continued fractions.
- MATH 4150 Linear Algebra** 3-0-3
Prerequisites: *Either* MATH 2150 and MATH 3040 *or* consent of instructor. Introduction to the theory of vector spaces, with emphasis on finite-dimensional vector spaces, linear systems, matrices, linear transformations, eigenvalues, and related subjects.
- MATH 4161 Mathematical Reasoning** 3-0-3
Prerequisite: Grade of "C" or higher in either MATH 3162 or MATH 3180 or permission of instructor. An in-depth study of concepts and processes underlying the P-8 school mathematics curriculum, with special emphasis on informal and formal mathematical reasoning. Problem solving and historical context serve as unifying strands. The analysis and remediation of student errors manifested in the application of conceptual and procedural mathematical knowledge will also be addressed.
- MATH 4260 Mathematical Analysis** 3-0-3
Prerequisites: MATH 3040 or consent of instructor or MATH 2263 with a grade of "A" or "B." A study of the principles of mathematical analysis; point set topology in Euclidean and metric spaces, numerical sequences and series, continuity, differentiation, integration, sequences and series of functions.
- MATH 4300 Functions of a Complex Variable** 3-0-3
Prerequisite: MATH 2263. Introductory study of the algebraic and geometric properties of the complex number system and functions of a complex variable. Limits, continuity, and differentiation of complex functions. Analytic functions and the Cauchy-Riemann conditions. Integration of complex functions; Cauchy-Goursat theorem; Cauchy integral formula; the theorems of Morera and Liouville. Taylor and Laurent series expansions. Residues and poles with applications to integration. Conformal mappings.
- MATH 4540 Topology** 3-0-3
Prerequisite: MATH 3040. The study of point set topology in metric and topological spaces. Open and closed sets, compactness, connectedness, topological mappings, separation, product and functions spaces.
- MATH 4621 Mathematical Statistics I** 3-0-3
Prerequisites: MATH 2263 and either MATH 2620 or MATH 3600. Distributions of random variables, conditional probability and stochastic independence, multivariate and some special distributions, and distributions of functions of random variables.

- MATH 4622 Mathematical Statistics II** 3-0-3
Prerequisite: MATH 4621. Introduction to statistical inference, sufficient statistic, estimation theory, theory of statistical tests, and inferences about normal models.
- MATH 4630 Topics in Applied Statistics** 3-0-3
Prerequisite: MATH 3600 or consent of instructor. Topics in applied statistics will be selected from quality control, sampling theory, nonparametric statistics, experimental design, or regression analysis.
- MATH 4651 Numerical Analysis I** 3-0-3
Prerequisites: MATH 2262 and CS 1301. Development and implementation of efficient numerical methods; locating roots of nonlinear equations; solving systems of linear equations; numerical differentiation and integration; interpolation; approximation of functions.
- MATH 4652 Numerical Analysis II** 3-0-3
Prerequisites: MATH 4651 and MATH 3340. Continuation of MATH 4651. Determination of eigenvalues and eigenvectors of matrices; method of least squares, and curve fitting; numerical solutions of ordinary and partial differential equations.
- MATH 4901 Operations Research I** 3-0-3
Prerequisite: MATH 2150 or MATH 4150. Mathematical aspects and applications of Operations Research. Topics are selected from linear programming (mainly), integer programming, and dynamic programming.
- MATH 4902 Operations Research II** 3-0-3
Prerequisite: MATH 3600 or MATH 4621 (Note that MATH 4901 is not a prerequisite). An introduction to stochastic operations research. Topics are selected from stochastic modeling and optimization, probability models, queuing theory, and Monte Carlo simulation.
- MATH 4910 Mathematical Models** 3-0-3
Prerequisite: MATH 2263 and MATH 3600, each with a grade of "C" or higher, or consent of instructor. An introduction to basic principles and applications of classical mathematical models, optimization models and probabilistic models.
- MATH 4980 Senior Seminar** 3-0-3
Prerequisite: A 4000-level course in algebra, analysis, or topology. A capstone experience in pure mathematics. Topics in an area of algebra, analysis, or topology will be covered and presented in a written and/or oral form.
- MATH 4990 Special Topics in Mathematics** 1-0-1 to 3-0-3
Prerequisites: Consent of instructor and Head of the Department of Mathematics and Computer Science. Topics and credits to be assigned. May be taken more than once if topics are different.
- MATH 4990H Honors Special Topics in Mathematics** 1-0-1 to 3-0-3
Prerequisites: Consent of instructor and Head of the Department of Mathematics and Computer Science. Topics and credits to be assigned. Student presentations will be required. May be taken more than once if topics are different.

MDIA: MASS MEDIA

- MDIA 2000 Introduction to Mass Media** 3-0-3
 The study of the processes, elements, uses, and impacts of mass media, including history, development, operation, and cultural effects of books, newspapers, magazines, motion pictures, radio, television, sound recordings, and computer media.
- MDIA 2000H Introduction to Mass Media (Honors)** 3-0-3
 An honors-level study of the processes, elements, uses, and impacts of mass media, including history, development, operation, and cultural effects of books, newspapers, magazines, motion pictures, radio, television, sound recordings, and computer media.

- MDIA 2050 Introduction to Electronic Media Production** 3-0-3
Concurrent registration for MDIA 2000 is recommended. An introduction to the processes of radio and television production. Designed to provide an understanding of the concepts and applications employed in production for radio and television and to teach the basic skills required to operate the audio and video equipment utilized for radio and television production.
- MDIA 2100 Introduction to Broadcast Writing** 3-0-3
Prerequisites: Major Status or consent of instructor. An introduction to the variety of standard writing styles employed by media professionals. Topics include news writing, advertising copy, public service announcements, and an introduction to copy writing formats for television and radio. Basic television scripting for short and long-form programming is also introduced.
- MDIA 2500 Computer Mediated Communication** 3-0-3
Prerequisite: Restricted to MDIA majors or consent of instructor. An introduction to the processes of mediated communication. Topics include the Internet, mass media and the Web, virtual communities, and now computer mediated communication affects privacy, interpersonal relationships, and the global village.
- MDIA 3050 Broadcast Performance and Announcing** 3-0-3
Prerequisites: Major status, MDIA 2050, MDIA 2100, MDIA 2500, and THEA 1000; or consent of instructor. Application of the fundamentals of voice and articulation for effective on-air performance on both radio and television. Topics include vocal techniques and delivery styles, appearance for on-camera performance in television, audience perceptions, station sound and image, and limited voice characterizations for “voice-over” media. Required of all majors in audio emphasis and broadcast journalism emphasis.
- MDIA 3110K Radio Studio Production** 2-4-4
Prerequisites: Major Status, MDIA 2050, MDIA 2100, and MDIA 2500; or consent of instructor. Introduction to radio studio production techniques and applications. Topics include editing and the incorporation of music, sound effects, and voice to produce effective commercial and public service announcements. Station formats, live on-air production techniques, news, sports, and remote production are also addressed.
- MDIA 3120K Television Studio Production I** 2-4-4
Prerequisites: Major status, MDIA 2050, MDIA 2100, and MDIA 2500; or consent of instructor. Intermediate television production focusing on the applied skills required for television production. Topics include studio operations, camera operation, control room competency, as well as scripting, producing, and directing. Pre-production, production, and post-production will also be addressed.
- MDIA 3130K Audio Production I** 2-4-4
Prerequisites: Major Status and MDIA 3110K, or consent of instructor. An introduction to audio production and postproduction techniques in field and studio settings. Topics include the use of audio in visual media, sound recording and editing techniques, and the correct use of audio production and postproduction equipment.
- MDIA 3150K Electronic Field Production I** 2-4-4
Prerequisites: Major status, MDIA 2050, MDIA 2100, and MDIA 2500; or consent of instructor. Introduction to electronic field and remote productions, including single and multiple camera operations. Basic field camera operations, tape to tape editing, editing techniques, single/multiple camera continuity, and scripting are all addressed.

- MDIA 3300 The Music Industry** 3-0-3
Prerequisites: Major Status and MDIA 3110K or permission of instructor. **Also offered as MUSC 3300.** Introduction to the music industry, including business aspects and the application of multitrack recording techniques. Topics include recording contracts, legal and copyright issues, music promotion and distribution channels, and technological developments affecting the industry. Students will learn music recording software, MIDI, the multitrack recording console, and microphone design and placement. Students will gain practical experience by recording music performances and producing them on compact disc.
- MDIA 3350 Aesthetics of Electronic Media** 3-0-3
Prerequisite: MDIA 2000 or consent of instructor. The study of the application of advanced film and video techniques. Topics include narrative structure, cinematography, directing technique, editing, sound design, and the language of production.
- MDIA 3400 Broadcast Script Writing** 3-0-3
Prerequisite: MDIA 2100 or consent of instructor. An advanced writing course building upon the skills acquired in MDIA 2100. The student will develop a full-length teleplay, screenplay, or radio drama. Topics include development of treatments, plotting, sequencing, character analysis, and synopsis. The techniques required for effective scene construction, plot twists, comedic slants, dramatic tones, and other advanced script writing techniques are also introduced.
- MDIA 3450 Media Ethics** 3-0-3
Prerequisites: Major status and completion of Area F, or consent of instructor. A comprehensive overview of the major ethical philosophers and perspectives and how these works impact ethical decisions in today's media. Topics will be discussed and analyzed to help the mass media student form a foundation for decision making within an ethical framework.
- MDIA 3500 Broadcast News Writing** 3-0-3
Prerequisite: MDIA 2100 or consent of instructor. An advanced writing course building upon the skills learned in MDIA 2100. Students will develop their skills in researching, writing, and editing broadcast news. Interviewing techniques, in-depth study of Associated Press broadcast writing style, and scripting for both radio and television news will be emphasized.
- MDIA 3800 Audio Theory and Design** 3-0-3
Prerequisites: Restricted to MDIA majors or consent of instructor. This course provides a theoretical investigation into the properties of audio and sound. Topics include the physiology and psychology of hearing, acoustics, psychoacoustics, sound design, sound environments, ambience, sound theory, and audio's relationship with radio, television, and film.
- MDIA 3950 Directed Study** 1 to 3 hours credit
Prerequisite: Major status and approval of advisor, instructor, and department head. Individualized study in an area or subject not normally found in established courses offered by the department, may also allow the student to explore in more detail a topic that is normally covered by the department.
- MDIA 4030 Selected Topics in Mass Media** 1 to 3 hours credit
Prerequisites: MDIA 2050 and MDIA 2100, or consent of instructor. Intensive study of a topic relevant to broadcast media. The introduction of alternative approaches to the study of media themes, applications, trends, and media issues. Provides an opportunity to explore other topics outside the prescribed curriculum of mass media. Offerings will reflect current issues relevant to those students interested in a specific area of interest.

- MDIA 4100 Media Economics and Management** 2-4-4
Prerequisites: Major Status and completion of Area F or consent of instructor. An examination of the economic structure of the American radio and television systems focusing upon audience measurement and delivery, ownership consolidation, cross-media platforms, standard practices of achieving fiscal stability, community outreach and service, and personnel utilization.
- MDIA 4120K Television Studio Production II** 2-4-4
Prerequisite: MDIA 3120K. Advanced television production focusing on the hands-on application of skills for the construction of television programs. Students are expected to enter with a working knowledge of the television studio since this is a rigorous and labor intensive course in which students are expected to produce broadcast quality programs.
- MDIA 4130K Audio Production II** 2-4-4
Prerequisites: MDIA 3130K; restricted to MDIA majors. An advanced course of audio production techniques for radio, television, and film. Topics include digital audio techniques, mixing soundtracks for visual media, advanced electronic audio editing, and the use of music, sound effects, and Foley recording.
- MDIA 4150K Electronic Field Production II** 2-4-4
Prerequisite: MDIA 3150K. Advanced field production involving field shoots, remote shoots, and editing. Advancing technologies in the area of post-production editing will be introduced, and students will be responsible for development of script ideas, scheduling, and project completions on deadline. The class is labor intensive.
- MDIA 4240K Television Directing and Producing** 2-4-4
Prerequisites: MDIA 3120K and MDIA 3150K. Advanced television production allowing for the free flow of development and construction of television programming. Requires the thoughtful articulation of project proposals that must be approved by the instructor within the first five class meetings.
- MDIA 4270 Diversity in Media** 3-0-3
Prerequisites: Major Status and completion of Area F or consent of instructor. A critical examination of the relationships between the media and different races, classes, ethnicities, and genders. Topics include how the media represent various groups, how audiences are affected by these representations, how minorities are employed in the media industry, and alternative media.
- MDIA 4350 Broadcasting and Culture** 3-0-3
Prerequisites: Major Status and completion of Area F or consent of instructor. A critical examination of the broadcast media, with emphasis on the connections among the message, the medium, society, and culture. This synthesis will help the student develop a clearer understanding of uses and gratifications, society's relation to media, and how media may effect society.
- MDIA 4400 Media Criticism** 3-0-3
Prerequisites: Major Status and completion of Area F or consent of instructor. An overview of the theoretical and practical study of the critical media examination. It includes describing, interpreting, and judging mediated messages utilizing critical methods. Students will examine various approaches to media criticism and how they are applied to the broadcast media.
- MDIA 4450 International Media** 3-0-3
Prerequisite: Major Status and completion of Area F or consent of instructor. A critical examination of media systems around the world and the societies in which they function. The role of governmental regulation, cultural factors, and language will be studied. Students will be required to analyze global media, national identities, and the concept of international communication. A comparative analysis of various systems is also required.

- MDIA 4600 Digital Media Production** 2-4-4
Prerequisite: MDIA 3150K. Advanced applications of digital video editing, storage, and delivery systems. Areas to be covered include advanced editing on computer-based non-linear systems, digitizing media, encoding, DVD authoring, CD video, streaming video, live web broadcasting and web page design. Students must complete a digital media presentation for their portfolio.
- MDIA 4800 Media Law** 3-0-3
Prerequisites: Major Status and completion of Area F or consent of instructor. A comprehensive overview of First Amendment principles, communication law, and the regulatory practices of the Federal Communications Commission. Topics include media regulation, libel issues, prior restraint, and copyright
- MDIA 4950 Senior Seminar** 1-0-1
Prerequisite: Restricted to student in their final semester of study in Mass Media. A seminar bringing together all second semester seniors, focusing on student contribution to discussion and critiques of his/her fellow student's portfolio presentation and defense of his/her work in the program as evidenced by the materials placed into his/her portfolio during progress through the major. Examples of writing and creative endeavor will be presented and critically analyzed. The student will also successfully complete a comprehensive proficiency exit exam and/or interview.
- MDIA 4961 Audio Workshop** 1 hour credit
Prerequisites: MDIA 3110K or MDIA 3130K, or consent of instructor. Student participation in the production of audio and radio programming. May be repeated for credit.
- MDIA 4962 Video Workshop** 2 hours credit
Prerequisites: MDIA 3120K or MDIA 3150K, or consent of instructor. Student participation in the production of programming for VSU-TV, the University programmed cable access channel. May be repeated for credit.
- MDIA 4963 International Documentary Production Workshop** 3 hours credit
Prerequisite: Consent of instructor. Student participation in the production and postproduction of international video documentaries. May be repeated for credit.
- MDIA 4970 Internship** 3 to 9 hours credit
Prerequisite: Major and senior status; approval of faculty internship director. Graded "Satisfactory" or "Unsatisfactory." The placement of students in apprentice and intern positions in professional environments including radio and television stations and other media industry organizations in order to enlarge the student's professionalism. May be taken only during the student's final two semesters.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

MGED: MIDDLE GRADES EDUCATION

- MGED 2999 Entry to the Education Profession** 0 hours credit
Graded “Satisfactory” or “Unsatisfactory.” A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an “Unsatisfactory” grade is earned, the course must be repeated until a “Satisfactory” grade is received.
- MGED 3000 Special Topics in Middle Grades Education** 1-0-1 to 3-0-3
Prerequisite: MGED 2999. Studies of selected topics in middle grades education.
- MGED 3110 Intergrating Technology in Middle Grades Education** 2-0-2
Prerequisites: MGED 2999 and admission to MGED professional program. Focuses on advancing a learner’s systematic, progressive migration to a student-centered, technology-empowered classroom. Central theme is intergrating technology into the curriculum.
- MGED 3210 Literature for Middle Grades Education** 3-0-3
A survey of literary forms appropriate for middle grades child (Grades 4-8). Emphasis is placed on methods of classification, selection and presentation of literature to children in the middle grades.
- MGED 3220 Reading and Writing in the Content Areas for Middle Grades** 3-0-3
Designed for majors to acquire instructional strategies for including reading and writing in all content areas of middle grades curriculum.
- MGED 3990 Development and Education of the Middle Grades Student, Part 1** 3-2-4
Prerequisites: Admission to teacher education. **This a check-point course, and check-point requirements must be met.** Nature and needs of middle grades students and how cultural forces, family, community, and school, impact their development and education. Field Experience required.
- MGED 3991 Differentiated Classroom for Middle Grades** 3-2-4
Prerequisites: Admission to teacher education. Study of how differentiating content, process, products, and assessment can impact student achievement of diverse populations. Emphasis is on developing the knowledge and skills to design a differentiated classroom and the ability to articulate the rationale and results of its implementation.
- MGED 4000 Development and Education of the Middle Grades Student, Part 2** 3-0-3
Prerequisites: MGED 2999 and admission to the MGED professional program. Study of the curriculum needs of middle grades student. Emphasis on curriculum as it relates to the unique transitional needs of middle grades students. Areas addressed are curricular planning, construction, and materials selection. Part of professional program, and all courses in Block A must be taken together.
- MGED 4030 Humanities Methods for Middle Grades Education** 3-0-3
Prerequisites: MGED 2999 and admission to the MGED professional program. Designed to examine the teaching of humanities methods in middle grades. Emphasis on how to facilitate students’ acquisition and application of reading skills and other communication/literacy skills, and social studies concepts/skills in present and future community. Established practices and innovations investigated. Part of professional program, and all courses in Block A must be taken together.
- MGED 4050 Science and Mathematics Methods for Middle Grades Education** 3-0-3
Prerequisites: MGED 2999 and admission to the MGED professional program. Designed to examine the teaching of science and mathematics methods in middle grades. Emphasis on middle level students acquisition and application of science and mathematics content, process, problem solving skills, and content standards. Part of professional program and all courses in Block A must be taken together.

- MGED 4620 Apprenticeship in Middle Grades Teaching** 0-4-2
Prerequisites: MGED 2999 and admission to the MGED professional program.
- MGED 4790 Student Teaching in the Middle Grades** 0-0-10
Prerequisites: MGED 2999 and completion of all requirements to student teach as listed in the University's undergraduate catalog. **Corequisite:** MGED 4800.
- MGED 4800 Professional Practices Seminar** 2-0-2
Prerequisites: MGED 2999 and completion of all course work and a 2.5 GPA. **Corequisite:** MGED 4790. Reflection of educational practices and refinement of concepts emanating from student teaching experience
- MGED 4900 Directed Study in Middle Grades Education** 1-0-1 to 3-0-3
Prerequisites: Senior Standing and a 3.0 GPA. Opportunity for intensive individual study in student's field of specialization of an area peculiar to his or her needs.

MGNT:MANAGEMENT

- MGNT 3250 Organizational Behavior And Management** 3-0-3
Prerequisite: Completion of Area F of the Curriculum for Business Administration.
 Behavioral science fundamentals and management applications emphasizing individual and group behavior. Topics include perception, attitude, personality, motivation, leadership, group dynamics, interpersonal communication, job design, learning theory, decision making, conflict, power, organizational politics, organizational culture, and organizational theory, as well as management process concepts like planning and control.
- MGNT 3300 Production And Operations Management** 3-0-3
Prerequisite: BUSA 2100 or MATH 2620, and **Corequisite:** MGNT 3250. The basic concepts of production and operations management including manufacturing planning and control systems, quality control, inventory control, time standards, facility location, and plant layout. Changes in the global competitive environment and their effects on manufacturing methodologies are integrated throughout the course.
- MGNT 3910 Small Business Management/Entrepreneurship** 3-0-3
Corequisite: MGNT 3250. Analysis of simulated and actual business opportunities. The relationship of the entrepreneur to the formation and growth of the enterprise is studied in its economic and social environment.
- MGNT 3920 Family Business Management** 3-0-3
Corequisite: MGNT 3250. Management issues and techniques for the family-owned and/or managed enterprise. Topics include stages of development of family business, planning for transitions in ownership and management, human relations issues, conflict resolution, and opportunity identification and exploitation.
- MGNT 4000 Human Resource Management** 3-0-3
Corequisite: MGNT 3250. The recruitment, selection, training, development, utilization, and maintenance of human resources by organizations. Topics also include labor-management relations and the legal environment.
- MGNT 4010 Labor Relations** 3-0-3
Prerequisite: MGNT 4000 or consent of instructor. The legal environment and historic development of labor unions as well as the processes of collective bargaining, contract negotiation, grievance handling, mediation, and arbitration. State and Federal legislation affecting labor-management relations and employee benefit plans are studied in depth.
- MGNT 4020 Performance Management and Rewards** 3-0-3
Prerequisites: MGNT 3250 and MGNT 4000. The process of developing and managing the appraisal of and rewarding of performance and the effective job analysis on which they depend. Topics include various types of job analysis, methods of collecting information about jobs, developing compensation systems, pay surveys, developing and managing performance appraisals, types of performance appraisals, merit pay, and incentives.

- MGNT 4060 Career Development** 3-0-3
Prerequisite: MGNT 3250. Major issues in career development and management in organizations. The goals of this course are to increase students' skills in managing their own careers and to increase students' skills in developing the careers of their subordinates.
- MGNT 4200 Leadership Skills** 3-0-3
Corequisite: MGNT 3250. An examination and practical application of leadership theories, rules and responsibilities in a dynamic business environment. Through experiential learning, case analysis, readings, and interactions with practitioners, students develop leadership skills in decision-making, communicating, managing conflicts, and motivating individuals and groups.
- MGNT 4630 Organizational Analysis and Design** 3-0-3
Prerequisite: MGNT 3250. Application of organization theory to managerial decisions. Students learn how to describe, analyze, design, and improve organizations through matching their structures, systems, cultures, and leadership to strategies and environments. Concepts are applied through case studies and current business events.
- MGNT 4640 Management Science** 3-0-3
Prerequisites: BUSA 2100 or MATH 2620, and MGNT 3250. Applications of quantitative techniques to managerial decisions. Topics include linear programming, decision theory, applications of probability, forecasting, transportation problems, and network analysis. Computers are used in problem solving.
- MGNT 4650 Organizational Change and Development** 3-0-3
Corequisite: MGNT 3250. Application of behavioral science concepts to organizational change. Students work in groups to develop interpersonal and problem solving skills. Organizational Development (OD) is aimed at improving organizational effectiveness by means of planned, systematic change interventions that allow individuals, groups, and organizations to develop their potential productivity and quality of work life.
- MGNT 4700 Total Quality Management** 3-0-3
Corequisite: MGNT 3250. Application of Total Quality Management concepts in improving organizations. An introduction to why and how businesses use TQM, and TQM's prime goal: complete customer satisfaction at the lowest cost level. Topics also include the tools and procedures for continuously improving processes, the team approach for applying TQM, actions used to introduce and implement TQM, institutionalization of TQM in organizational processes, and the transfer of TQM skills and procedures to suppliers and customers.
- MGNT 4800 International Management** 3-0-3
Corequisite: MGNT 3250. The management of organizations in a global business environment. Topics include the effects of socio-cultural, economic, geographic, legal, political, and technological differences on management and organizational behavior including staffing, interpersonal communication, negotiation, leadership, and organizational effectiveness.
- MGNT 4950 Directed Study in Management** 1 to 3 hours credit
 Directed research, readings or project in management. The proper form must be submitted to the Dean of the College of Business Administration at least two weeks prior to the beginning of the semester. May be taken more than once for up to 3 hours if topics are different.
- MGNT 4990 Special Topics in Management** 1 to 3 hours credit
Prerequisite: Consent of instructor and Department Head. Topics to be assigned. May be taken more than once for up to 3 hours if topics are different.

MKTG:MARKETING

- MKTG 3050 Introduction to Marketing** 3-0-3
Prerequisites: Non-Business Majors: ECON 1500 or ECON 2106; Business Majors: Completion of Area F for Business Administration. Basics of targeting products and services to satisfy customer needs through product, price, promotion, and distribution strategies. Marketing strategies are discussed within the context of prevailing political, social, ethical, economic, legal, competitive, and technological environments.
- MKTG 3060 Professional Selling** 3-0-3
Fundamentals of personal selling and the behavioral aspects of the persuasion process, including social, ethical, and legal responsibilities.
- MKTG 3070 Time Management for Salespeople** 3-0-3
Overview of the various time management tools available for the sales professional. Students will learn how to be more efficiently manage their contacts, travel time, servicing, and paperwork. They will also learn general time management principles of focus, prioritization, and goal setting.
- MKTG 3100 Health Care Marketing** 3-0-3
Prerequisite: MKTG 3050 or consent of instructor. Application of marketing principles and concepts to contemporary health care industry issues. Topics include the evolving role of the health care consumer, marketing tactics and strategy defined for the specific aspects of the health care market, and how consumerism will reshape health care markets.
- MKTG 4000 Principles of Promotion** 3-0-3
Prerequisite: MKTG 3050. Organization, basic principles, economic, legal, and social aspects of promotion and testing promotional effectiveness.
- MKTG 4020 Retailing** 3-0-3
Prerequisite: MKTG 3050. Fundamentals and principles employed in the analysis and evaluation of the retail intermediary.
- MKTG 4060 Sales Management** 3-0-3
Prerequisite: MKTG 3050. Basic principles in recruiting, supervising, training, managing, motivating, evaluating, and compensating salespeople and sales forces.
- MKTG 4070 Readings in Sales and Marketing** 3-0-3
Prerequisite: MKTG 3050. Overview of the various tools available in sales and marketing for increasing professional proficiency. Students will learn how to improve their skills through readings in marketing, sales, behavioral sciences, persuasion, and career management skills. They will also explore information available to them through the business presses and professional seminars.
- MKTG 4620 Buyer Behavior** 3-0-3
Prerequisite: MKTG 3050. Motives, attitudes, and expectations of consumers and purchasing agents that contribute to the understanding of the marketing process.
- MKTG 4650 Marketing Research** 3-0-3
Prerequisites: MATH 1261, MKTG 3050, and BUSA 2100 or MATH 2620. Develops the scientific process of problem solving in a marketing context. Covers the concepts of problem definition, hypothesis testing, questionnaire development, research design, and interpretation of statistical findings.
- MKTG 4670 Marketing Channels** 3-0-3
Prerequisite: MKTG 3050. Study of the firm's distribution function. Covers channel design, strategy, and structure; channel participants and functions; channel management; and physical distribution and logistics systems.
- MKTG 4680 International Marketing** 3-0-3
Prerequisite: MKTG 3050. Study of marketing and international business using the framework of the world market place. Aspects of marketing that are unique to international business are emphasized.

- MKTG 4740 Business-to-Business Marketing** 3-0-3
Prerequisite: MKTG 3050. Study of the process of buying from and selling to other businesses. Topics include market and product planning, pricing, financing, sales force management, and legal aspects of business marketing.
- MKTG 4750 Marketing of Services** 3-0-3
Prerequisite: MKTG 3050. Highlights the differences between product marketing and the marketing of services. Attention is focused on the marketing function of not-for-profit organizations such as hospitals, educational institutions, police departments and churches.
- MKTG 4760 Direct Marketing** 3-0-3
Prerequisite: MKTG 3050. A study of the principles and techniques used to reach the purchasing decision maker at the place of the decision. Topics include direct mail, telemarketing, the use of 800 numbers, list management, and measurement of outcomes.
- MKTG 4770 Internet Marketing** 3-0-3
Prerequisite: MKTG 3050. Introduces students to the world of the internet marketing. Students learn to create their own web pages, develop web marketing skills, and evaluate the four P's of marketing (product, place, promotion, and price) strategies in the context of web marketing.
- MKTG 4800 Cases in Marketing** 3-0-3
Prerequisites: MKTG 4620 and MKTG 4650 and senior standing. An integrative study of marketing based on the case method. Students will examine marketing situations in the context of the entire business and its environment in order to develop activities to support corporate goals.
- MKTG 4810 Contemporary Marketing** 3-0-3
Prerequisite: MKTG 3050. Study of a specific, current topic or topics in the field of Marketing. May be repeated once for additional credit with prior approval of advisor and instructor if different topics are covered in the subsequent course.
- MKTG 4900 Strategic Planning** 3-0-3
Prerequisites: MKTG 4620 and MKTG 4650, each with a grade of "C" or better, and senior standing. Study of the integration and coordination of product development, promotional strategy, physical distribution, and pricing in planning, implementing and controlling marketing operations. The creation of a marketing plan is stressed.
- MKTG 4990 Directed Study in Marketing** **3 hours credit**
Prerequisite: Senior standing and consent of instructor. Special projects undertaken by marketing majors. Proper form must be submitted to the Dean of the College of Business Administration at least two weeks before the beginning of the semester.

MSED: MIDDLE GRADES AND SECONDARY EDUCATION

- MSED 4780 Internship In Middle Grades and Secondary Education** 6-0-6
Prerequisite: MGED 2999 and completion of coursework and consent of department, employment on a provisional certificate, and consent of department. This course must be taken twice.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

MUE: MUSIC EDUCATION

- MUE 2000 Introduction to Music Education** 2-1-2
An introduction to issues, practices, and philosophy of teaching music as a profession. Includes daytime field experience in area schools.
- MUE 2640 Music for Teachers** 3-0-3
Principles and materials of music for children. **Not open to music majors.**
- MUE 2700 Brass Methods** 0-3-1
Techniques of performance and methods of teaching brass instruments. Music or Music Education majors only.
- MUE 2710 Woodwind Methods** 0-3-1
Techniques of performance and methods of teaching woodwind instruments. Music or Music Education majors only.
- MUE 2730 Percussion and Woodwind Methods** 0-3-1
Techniques of performance and methods of teaching percussion and woodwind instruments. Music or Music Education majors only.
- MUE 2999 Entry to the Education Profession** **0 hours credit**
Graded “Satisfactory” or “Unsatisfactory.” A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an “Unsatisfactory” grade is earned, the course must be repeated until a “Satisfactory” grade is received.
- MUE 3100 Arranging for School Band, Chorus, and Orchestra** 1-0-1
Prerequisites: MUSC 2012 and MUSC 2052; and, for music education majors only, a grade of “S” in MUE 2999. Basic techniques of scoring for school choral and instrumental groups.
- MUE 3600 General Music Curriculum** 2-1-2
Prerequisite: Grade of “Satisfactory” in MUE 2999. Materials and methods of elementary music instruction in schools, K-12, including the historical and philosophical foundations of general music education. Instruction in basic pedagogy of all classroom instruments: fretted, recorders, percussion, and barred. Instruction in technology included. Includes daytime field experience in area schools.
- MUE 3720 String Methods** 0-3-1
Techniques of performance and methods of teaching string instruments. Music or Music Education majors only.
- MUE 3730 Percussion Methods** 0-3-1
Techniques of performance and methods of teaching percussion instruments in heterogeneous groups. Music or Music Education majors only.
- MUE 3740 Rhythm Section Methods** 0-2-1
Techniques of performance and methods of teaching piano, guitar, string bass, drums, vibes, and other instruments typically used in the jazz rhythm section. Music or Music Education majors only.
- MUE 3750 Vocal Methods** 0-3-1
Techniques of performance and methods of teaching vocal music. Music or Music Education majors only.
- MUE 3780 String and Brass Methods** 0-3-1
Techniques of performance and methods of teaching brass and string instruments. Music or Music Education majors only.

- MUE 4600 Choral Curriculum and Techniques** 2-1-2
Prerequisite: Grade of “Satisfactory” in MUE 2999. Materials and techniques of choral music instruction and curriculum in schools, including rehearsal techniques, vocal development, repertoire, administration, instructional approaches, and assessment strategies. Music or Music Education majors only. Includes daytime field experience in area schools.
- MUE 4610 Instrumental Curriculum and Techniques** 2-1-2
Prerequisite: Grade of “Satisfactory” in MUE 2999. Materials and techniques of instrumental music instruction and curriculum in schools, including rehearsal techniques, repertoire, administration, instructional approaches, and assessment strategies. Music or Music Education majors only. Includes daytime field experience in area schools.
- MUE 4620 Advanced Choral Conducting** 2-1-2
Prerequisite: MUSC 3650. Conducting and rehearsal techniques used in choral music classes. Students will refine their conducting skills and acquire knowledge of the latest developments in rehearsal strategies for use with choral singers of any age.
- MUE 4630 Advanced Instrumental Conducting** 2-1-2
Prerequisite: MUSC 3650. Conducting and rehearsal techniques used in instrumental music classes. Students will refine their conducting skills and acquire knowledge of the latest developments in rehearsal strategies for use with instrumentalists of any age.
- MUE 4640 Lab Ensemble** 1-0-1
Corequisite: MUE 2700, MUE 2710, MUE 2730, MUE 3720, MUE 3730, MUE 3750, MUE 3780, or MUSC 4750, or permission of the instructor. An opportunity for practice on secondary instruments and ensemble playing techniques.
- MUE 4700 Marching Band Techniques** 0-2-1
 Marching fundamentals, drill routines, arranging, organizing, and producing a high school marching band. Includes the use of computer-assisted design techniques.
- MUE 4720 Advanced String Methods** 0-2-1
Prerequisite: MUE 3720. Intermediate and advanced techniques of secondary string instrument performing, advanced methods of teaching, and basic knowledge of school string orchestra repertoire.
- MUE 4760 Jazz Pedagogy** 2-0-2
 The study of jazz methods and jazz materials, including lab teaching experience.
- MUE 4790 Student Teaching in Music** 0-0-10
Prerequisites: Completion of coursework, consent of department, and admission to the Teacher Education program at Valdosta State University. Co-requisite MUE 4800.
- MUE 4800 Seminar for Student Teaching** 2-0-2
Prerequisites: Student Teaching registration. Co-requisite: MUE 4790. Discussion of issues and problems related to student teaching.

MUSC: MUSIC

- MUSC 1000 Fundamentals of Music** 2-0-2
 A study of the fundamentals of music: rhythm, melody, scales and key signatures, intervals, and triads. This class will also emphasize learning to read music and execute fundamental musical skills.
- MUSC 1001 Professional Orientation and Seminar for Music Majors** 1-0-0
 An orientation and seminar course designed for first-year students and first-semester transfer students. Course includes presentations of issues of student responsibility, personal, social, academic, and musical growth.

- MUSC 1011 Music Theory I** 3-0-3
Prerequisite: MUSC 1000 or a passing grade on the Department of Music theory proficiency test. The first course of a four-semester sequence. An introductory study of the harmonic, structural, melodic, and rhythmic elements of tonal music through composition and analysis.
- MUSC 1012 Music Theory II** 3-0-3
Prerequisite: MUS 1011. The second course of a four-semester sequence. An introductory study of the harmonic, structural, melodic, and rhythmic elements of tonal music through composition and analysis.
- MUSC 1016 An Introduction to Computer Applications in Music** 0-2-1
Prerequisite: Music or Music Education majors only, or permission of the instructor. An introduction to the use of computer applications in music.
- MUSC 1051 Music Theory Lab I** 0-2-1
The first course of a four-semester sequence. A laboratory course for MUS 1011 designed to develop skills in sightsinging, rhythmic reading, and in melodic, harmonic, and rhythmic dictation and identification.
- MUSC 1052 Music Theory Lab II** 0-2-1
Prerequisite: MUS 1051. The second course of a four-semester sequence. A laboratory course for MUS 1012 designed to develop skills in sightsinging, rhythmic reading, and in melodic, harmonic, and rhythmic dictation and identification.
- MUSC 1100 Music Appreciation** 3-0-3
Introduction to music history and literature.
- MUSC 1101 Diction For Singers** 1-0-1
Study of pronunciation and phonetics of Italian, Latin, Spanish, French, English, and German as applied to solo and ensemble singing.
- MUSC 1110 Music Appreciation: World Music** 3-0-3
A survey of music from world cultures. Prior musical training is not required.
- MUSC 1120 Music Appreciation: American Popular Music** 3-0-3
Survey of a broad range of American popular music from 1840 to the present. Characteristic aspects of rhythm, melody, instrumentation, and other technical factors are studied. The relationship with and influence of other musical traditions and cultures is examined.
- MUSC 1130 Music Appreciation: Jazz** 3-0-3
Survey of the history of jazz, from 1860 to the present. Study of jazz origins, styles, literature, and important composers and performers. Additional study of international influences.
- MUSC 1131 Functional Piano I** 1-0-1
The first course of a two-semester sequence. Designed to develop basic keyboard skills essential to music study. Music or Music Education Majors only.
- MUSC 1132 Functional Piano II** 1-0-1
Prerequisite: MUSC 1131. The second course of a two course sequence. Designed to develop basic keyboard skills essential to music study. Music or Music Education Majors only or permission of instructor.
- MUSC 1171 Theoretical Foundations of Jazz Improvisation I** 0-2-1
Prerequisite: Permission of the instructor. The first course of a four-semester sequence. Designed to develop skills in jazz improvisation.
- MUSC 1172 Theoretical Foundations of Jazz Improvisation II** 0-2-1
Prerequisite: Permission of the instructor. The second course of a four-semester sequence. Designed to develop skills in jazz improvisation.
- MUSC 2011 Music Theory III** 3-0-3
Prerequisite: MUSC 1012. The third course of a four-semester sequence. An advanced study of the harmonic, structural, melodic, and rhythmic elements of tonal music through composition and analysis.

- MUSC 2012 Music Theory IV** 3-0-3
Prerequisite: MUSC 2011. The fourth course of a four-semester sequence. An advanced study of the harmonic, structural, melodic, and rhythmic elements of tonal music through composition and analysis.
- MUSC 2051 Music Theory Lab III** 0-2-1
Prerequisite: MUSC 1052. The third course in a four-semester sequence. A laboratory course for MUSC 2011 designed to develop skills in sightsinging, rhythmic reading, and in melodic, harmonic, and rhythmic dictation and identification.
- MUSC 2052 Music Theory Lab IV** 0-2-1
Prerequisite: MUSC 2051. The fourth course in a four-semester sequence. A laboratory course for MUSC 2012 designed to develop skills in sightsinging, rhythmic reading, and in melodic, harmonic, and rhythmic dictation and identification.
- MUSC 2171 Theoretical Foundations of Jazz Improvisation III** 0-2-1
Prerequisite: MUSC 1172 or permission of the instructor. The third course of a four-semester sequence. Designed to develop advanced skills in jazz improvisation.
- MUSC 2172 Theoretical Foundations of Jazz Improvisation IV** 0-2-1
Prerequisite: MUSC 2171 or permission of the instructor. The fourth course of a four-semester sequence. Designed to develop advanced skills in jazz improvisation.
- MUSC 2400 Introduction to Music** 3-0-3
 Introduction to the music history and literature of western civilization.
- MUSC 2450 Introduction to World Music** 3-0-3
 A survey of music from world cultures, including the study of music from a variety of sources, including western and non-western sources. Prior musical training is not required.
- MUSC 3010 Music Analysis** 2-0-2
Prerequisites: MUSC 2012 and MUSC 2052 or permission of the instructor. The application of analytic techniques to the study of musical scores.
- MUSC 3110 Jazz Arranging** 2-0-2
Prerequisite: MUSC 2012 and MUSC 1172, or permission of instructor. Study of basic techniques of scoring for vocal and instrumental ensembles of jazz-oriented styles.
- MUSC 3150 Counterpoint** 3-0-3
Prerequisite: MUSC 2012. Analysis and writing of modal and tonal counterpoint.
- MUSC 3160 Intermediate Computer Applications in Music** 2-0-2
Prerequisites: MUSC 2012, MUSC 1016 or permission of the instructor. An introduction to computer application programs that involve the use of MIDI (Musical Instrument Digital Interface).
- MUSC 3170 Music Composition I** 1-0-1
Prerequisite: MUSC 1012 or permission of the instructor. Foundations in music composition employing both traditional and contemporary techniques.
- MUSC 3171 Music Composition II** 0-2-1
Prerequisite: MUSC 3170 or permission of the instructor. Application of materials in music composition employing both traditional and contemporary techniques.
- MUSC 3230 Accompanying** 1-0-1
 Study and performance of piano accompaniments in vocal and instrumental literature with an emphasis on techniques and style. May be repeated for credit.
- MUSC 3300 The Music Industry** 3-0-3
Prerequisites: MDIA 3110K and MDIA 3130K, or permission of instructor. Also offered as MDIA 3300. Introduction to the music industry, including business aspects and the application of multitrack recording techniques. Topics include recording contracts, legal and copyright issues, music promotion and distribution channels, and technological developments affecting the industry. Students will learn music recording software, MIDI, the multitrack recording console, and microphone design and placement. Students will gain practical experience by recording music performances and producing them on compact disc.

- MUSC 3430 History of Jazz** 2-0-2
Prerequisite: MUSC 2172 or permission of the instructor. A comprehensive study of the development of jazz from its origins through present day. The course emphasizes the evaluation of stylistic trends and techniques.
- MUSC 3450 African American Music History** 3-0-3
 A chronological study of African American music-making from the 17th century through the 20th century.
- MUSC 3520 Symphonic Literature** 1-0-1
Prerequisite: MUSC 1100. Study of styles and eras of symphonic literature appropriate to a variety of ensembles.
- MUSC 3650 Conducting** 2-1-2
Prerequisites: MUSC 2012 and MUSC 2052 or permission of instructor. Techniques of choral and instrumental conducting.
- MUSC 3740 Private Composition** 3-2-4
 Individual study in the field of music composition and demonstration of compositional achievement in the form of performed works. May be repeated for credit.
- MUSC 3810 Chamber Singers** 0-2-1
 A select ensemble emphasizing choral and vocal chamber music repertoire. Participation by audition only.
- MUSC 3820 Concert Choir** 0-3-1
 Principal ensemble for voice principals and other principals according to assignment by the Head of the Department of Music. Open to any VSU student by permission of the instructor.
- MUSC 3830 The Spotlighters** 0-2-1
 A select choral ensemble emphasizing popular, jazz, blues, and show tune repertoire. Participation by audition only.
- MUSC 3840 Opera and Musical Theatre** 0-2-1
 Music drama production and ensemble work. Preparation of scenes and full-scale productions.
- MUSC 3850 Concert Band** 0-3-1
 Principal ensemble for wind and percussion principals and other principals according to assignment by the Head of the Department of Music. Open to any VSU student by permission of the instructor.
- MUSC 3860 Orchestra** 0-3-1
 Principal ensemble for orchestral string principals and majors and other principals according to assignment by the Head of the Department of Music. Open to any VSU student by permission of the instructor.
- MUSC 3870 Jazz Ensemble** 0-3-1
 Principal ensemble for jazz principals and majors and other principals according to assignment by the Head of the Department of Music. Participation by audition only.
- MUSC 3880 Marching Band** 0-3-1
 Performs at all home football games and various exhibitions. Auditions required for danceline, color guard, and majorette. Fall semester only.
- MUSC 3890 Instrumental Ensembles** 0-2-1
 Study and performance of repertoire for a variety of combinations of instruments. Open by permission of instructor.
- MUSC 3960 Opera Seminar** 1-0-1
 Study and analysis of scenes from opera and operetta. May be repeated for credit.
- MUSC 4451 History of Music to 1750** 3-0-3
Prerequisites: MUSC 1100 and MUSC 2012 or permission of the instructor. History of music through the Baroque era.

- MUSC 4452 History of Music since 1750** 3-0-3
Prerequisite: MUSC 1100 and MUSC 2012 or permission of the instructor. History of music from the Classical era to the present.
- MUSC 4480 Folk and Ethnic Music in the United States** 2-0-2
 An introduction to the social, cultural, and stylistic features of selected folk and ethnic music in the United States, focusing on historical development and contemporary significance. Open to students of all majors with Junior or above standing.
- MUSC 4511 Song Literature I** 1-0-1
 First course of a two-semester sequence. A survey of art song literature from the Renaissance through the German Lieder School spanning the 19th century and the first half of the 20th century.
- MUSC 4512 Song Literature II** 1-0-1
 Second course of a two-semester sequence. A survey course in art song literature from the 19th and 20th century French, Spanish, English, and American song schools.
- MUSC 4541 Piano Literature I** 1-0-1
 Survey course in piano literature. The keyboard instruments and literature of the Renaissance, Baroque, and Classical eras.
- MUSC 4542 Piano Literature II** 1-0-1
 Survey course in piano literature. The piano literature of the Romantic period and representative repertory of the last one hundred years.
- MUSC 4600 Special Topics in Music** 1-0-1 to 3-0-3
 An elective music course for the study of special topics. May be repeated for credit if different topics are studied.
- MUSC 4721 Piano Pedagogy I** 1-0-1
 Study of various contemporary teaching methods and materials, with practice teaching under faculty supervision.
- MUSC 4722 Piano Pedagogy II** 1-0-1
 Study of collections of elementary literature including J.S. Bach's notebooks, Schumann's *Kinderszenen*, and Bartok's *Mikrokosmos*; practice teaching.
- MUSC 4730 Drumset Techniques and Pedagogy** 0-2-1
 Drumset instruction in a classroom setting and a review and survey of instructional materials for drumset. Open to all university students with permission of the instructor. Ability to read music required.
- MUSC 4731 Percussion Pedagogy** 0-2-1
 Orientation to and experience with the fundamentals of percussion pedagogy.
- MUSC 4732 Brass Pedagogy** 0-2-1
 Orientation to and experience with the fundamentals of brass pedagogy.
- MUSC 4733 Woodwind Pedagogy** 0-2-1
 Orientation to and experience with the fundamentals of woodwind pedagogy.
- MUSC 4733 String Pedagogy** 0-2-1
 Orientation to and experience with the fundamentals of string pedagogy.
- MUSC 4750 Vocal Pedagogy** 1-0-1
 Fundamental principles of teaching techniques essential to private studio and class voice work.
- MUSC 4850 Wind Ensemble** 0-3-1
 Principle ensemble for all music majors whose principal performing medium is wind or percussion as assigned by Head of Department of Music. Open to any VSU student by permission of instructor.
- MUSC 4870 Jazz Combo** 0-2-1
 Study and performance of a wide variety of jazz styles for 5-8 member ensemble. Participation by audition only.

- MUSC 4880 University Community Band** **0-3-1**
Study and performance of standard band literature. Open to VSU students and members of the community.
- MUSC 4890 Vocal Chamber Ensemble** **0-1-1**
Ensemble performance in musicals, opera, and other such events in conjunction with the Departments of Music and Theater.
- MUSC 4900 Directed Study in Music** **1 to 3 hours credit**
Directed reading and independent study on an approved project. By permission of Department Head and instructor.

NURS:NURSING

- NURS 3010 Gerontological Nursing** **3-0-3**
Focuses on the developmental aspects of aging and approaches that enhance successful aging. Provides an introduction to theories of aging. Examines personal philosophy and values/ethics related to aging and utilizing nursing process to promote health in the older adult. This course is open to nursing and non-nursing students as an elective.
- NURS 3020 Biological and Chemical Terrorism: Impact on Communities** **3-0-3**
A study designed for health care and public service professionals to develop an understanding of the implications of biological and chemical terrorism and to identify the potential risks these agents have in communities. Discussion will focus on understanding federal, state, and local resources for planning and management of community exposure. Course participants will implement a disaster plan during a simulated drill. Open to students of all majors.
- NURS 3030 Women's Health and Nutritional Issues** **2-3-3**
Also offered as NUTR 3030 and WGST 3030. An introduction to the holistic health care and nutritional needs of women throughout their lifespan. Health care and nutrition issues are discussed from historical and contemporary perspectives. The course explores self-care practices of culturally diverse women, including health maintenance, illness prevention, and complementary healing.
- NURS 3050 Field Study in Transcultural Care** **1-3-2 to 1-21-8**
Focuses on the application of concepts of transcultural nursing in selected culturally diverse settings. Students are encouraged to explore personal cultural orientation and its influence on the delivery of care and services. Selected ethnocultural groups will be studied. Variability will occur in undergraduate and graduate study intensity (concentration and length of study).
- NURS 3060 Special Topics in Nursing** **1 to 5 credit hours**
Prerequisite: Permission of faculty. An intensive study of an aspect of nursing care.
- NURS 3070 Health Care Issues of Vulnerable Populations in the U.S.** **3-0-3**
Also offered as AFAM 3070. Prerequisite: SOCI 1101 or SOCI 1160 or permission of the instructor. Course is open to all majors. An examination of the historical, cultural, social, and political issues that render certain populations in the U.S. vulnerable to ill health. The course utilizes appropriate theories to study these issues, with emphasis on ameliorating the health of vulnerable populations. It will examine issues related to health care access and policies and program developed to reduce risks of disease and injury. It is also designed to raise an awareness of the disparities in health among certain groups, including the poor, ethnic minorities, high-risk women and children, the homeless, and uninsured and underinsured, among others.
- NURS 3100 Pharmacology** **3-0-3**
Prerequisites: Successful completion of all core courses, Regents' Testing Program, and admission to the College of Nursing. Co-requisites: NURS 3110, NURS 3130, and NURS 3100K. Focuses on the concepts of pharmacology, classification of drugs and the common actions, therapeutic benefits, side effects, and patient implications associated with each classification.

- NURS 3100K Applied Pharmacology and Medication Administration** 0-3-1
Prerequisites: Successful completion of all core courses, Regents' Testing Program, and admission to the College of Nursing. **Co-requisites:** NURS 3110, NURS 3130, and NURS 3100. A laboratory course with emphasis on cognitive and psychomotor aspects of medication calculation and administration. Individual responses to medications and issues related to drug control and drug abuse are emphasized. Legal and ethical issues surrounding this nursing activity will be addressed. Must be taken concurrently with Pharmacology unless an R.N. student.
- NURS 3110 Basic Concepts of Holistic Nursing Care** 3-9-6
Prerequisites: Successful completion of all core courses, Regents' Testing Program, and admission to the College of Nursing. **Co-requisites:** NURS 3130, NURS 3100, and NURS 3100K. Serves as a foundation for utilization of basic concepts, skills, and techniques of nursing practice. Emphasizes health history and assessment, nursing problem solving, cognitive and psychomotor skills, and safety of client and health care provider.
- NURS 3130 Self and Others** 3-0-3
Prerequisites: Successful completion of all core courses, Regents' Testing Program, and admission to the College of Nursing. **Co-requisites:** NURS 3110, NURS 3100, and NURS 3100K. Focuses on concepts related to communication and relationships in nursing. The growth and development of self for healthy professional behavior is emphasized as an essential component of therapeutic client and nursing interactions. Stress, adaptation, crisis, and resolution are introduced and related to health and illness.
- NURS 3150 Principles of Baccalaureate Nursing Education** 3-0-3
Establishes the conceptual foundations for professional nursing. Emphasis is placed on application of communication and the analysis of the historical, contemporary, and future perspectives of the profession. This course is open to registered nurses only.
- NURS 3211 Health Promotion of Adults** 3-9-6
Prerequisites: NURS 3110, NURS 3130, NURS 3100, NURS 3100K. **Co-requisites:** NURS 3220 and NURS 3221. Focuses on health promotion for culturally diverse clients and families experiencing various states of health. Emphasis is on holistic nursing care of clients to promote and maintain health. Nursing management of the perioperative client will be addressed. Clinical experiences provide opportunities to practice health promotion of adults in a variety of settings.
- NURS 3220 Community as Client** 3-6-5
Prerequisites: NURS 3110, NURS 3130, NURS 3100, NURS 3100K. **Co-requisites:** NURS 3211 and NURS 3221. Focus is on the community as client. Establishes a foundation of the global organizational structure of community. Emphasizes promotion and maintenance of optimal health throughout the life cycle. Laboratory experiences provide the opportunity to practice health promotion in a variety of settings. Open to non-nursing majors with permission
- NURS 3221 Health Promotion of Growing Families** 3-9-6
Prerequisites: NURS 3110, NURS 3130, NURS 3100, NURS 3100K. **Co-requisites:** NURS 3211 and NURS 3220. Focuses on health promotion behaviors for holistic development of growing families. Childbearing, childbirth, differentiation of care requirements from infancy through adolescence, common childhood health problems, growth and development as nursing concerns, and issues of family development are presented within a multi cultural context. Clinical experiences focus on delivery of nursing care to promote holistic and healthy family growth and development within the community.
- NURS 3250 Society, Wellness, and Illness** 3-0-3
Cultural diversity and the relationships among societal practices, ethnicity, religion, wellness, and illness. The course explores the connection between social settings and health/illness practices, including folk remedies and other traditional health practices.

- NURS 3700 Pathophysiology** 3-0-3
Prerequisites: BIOL 2651 and BIOL 2652. An intensive study of cellular activity, organ systems, and holistic aspects of health and disease. The major emphasis of the course is to relate normal body physiological functions to pathological changes that occur as a result of disease, compensatory mechanisms made by the body, and adaptive lifestyle strategies. Integration of developmental and preventive aspects of health across the age continuum is included.
- NURS 3800 Student Success: Problem-based Learning** 3-0-3
 Specific learning and teaching activities aimed at improving academic performance among at-risk nursing students. Students will engage in problem-based learning in order to strengthen their skills of holistic assessment; expression of caring and empowerment of clients; and critical thinking ability to provide safe, efficient, and compassionate professional nursing care.
- NURS 3900 Student Success: Clinical Applications in Problem-based Learning** 0-9-3
 Specific learning and teaching clinical activities aimed at improving clinical and academic performance among at-risk nursing students. Students will engage in problem-based learning in a clinical environment in order to strengthen their skills of holistic assessment; expression of caring and empowerment of clients; and their ability to provide safe, efficient, and compassionate professional nursing care.
- NURS 3990 End-of-Life Nurturing** 3-0-3
Also offered as NUTR 3990. The study of the meaning of death, dying, and grieving across cultures and life development stages. The course focuses on end-of-life issues such as death as a process to attain life fulfillment, nurturing behaviors (providing nourishment, hydration, and care giving), cultural and spiritual perspectives, and legal and ethical concerns related to quality-of-life decisions.
- NURS 4010 Legal and Ethical Issues in Health Care** 3-0-3
 Introduces aspects of bioethics, organizational, legal and healthcare ethical issues with particular emphasis on aspects of law that serve as regulations and principles to govern ethical business practices in the healthcare industry.
- NURS 4060 Advanced Health Assessment** 3-3-4
Prerequisite: Licensure as a Registered Nurse or permission of faculty. Focuses on advanced comprehensive assessment skills utilized in a variety of clinical settings. Builds on basic and experiential knowledge of health assessment. Emphasis is placed on applying critical thinking and diagnostic reasoning skills in assessing, diagnosing, and monitoring the health status of adult clients and families. Clinical practicum will focus on the application of these advanced assessment skills. Note: This course or demonstrated competency in the content of this course is required for admission to the graduate program.
- NURS 4070 Directed Study in Nursing** 1 to 5 credit hours
Prerequisites: Permission of faculty. Special study in an area of nursing of special interest to the student under the direction of selected faculty.
- NURS 4090 Perioperative Nursing** 3-0-3
Prerequisites: NURS 4112, NURS 4122. Includes knowledge and skills for nursing care during the perioperative, intraoperative, and post operative period including home follow-up.
- NURS 4090K Perioperative Nursing Lab** 0-3-1
Corequisite: NURS 4090. Clinical Application of NURS 4090 content.
- NURS 4091K Acute Care Nursing Clinical Internship** 3 credit hours
Prerequisite: NURS 3211. Concentrated interaction with selected client populations in an acute care setting and the conduct of a quality improvement project. Students will work with a preceptor and will participate in the team approach to caring for a patient. Students will observe and perform procedures but will not administer medications.

- NURS 4100 Research in Nursing** 3-0-3
Prerequisites: NURS 3211, NURS 3220, NURS 3221. Introduction to interpretation and evaluation of nursing research. Qualitative, quantitative and epidemiological research methods are considered as they apply to the practice of nursing. Technological networking and evaluation of the information obtained is encouraged.
- NURS 4112 Health Restoration of Adults** 3-9-6
Prerequisites: NURS 3211, NURS 3220, NURS 3221. Focuses on concepts of health restoration for culturally diverse clients and families experiencing alterations in health. Principles of rehabilitation will be addressed. Clinical experiences provide the opportunity to practice health restoration in a variety of settings.
- NURS 4122 Health Restoration of Growing Families** 3-9-6
Prerequisites: NURS 3211, NURS 3220, NURS 3221. Focuses on concepts of health restoration as applied to holistic development of growing families in communities. Women's health, families at risk, aberrations in growth related to the growing family are addressed. Clinical experiences focus on nursing interventions necessary to promote health restoration in growing families.
- NURS 4210 Health Restoration of Holistic Self** 3-9-6
Prerequisite: NURS 4112, NURS 4122. Focuses on concepts related to disconnectedness of body, mind, and spirit. Nursing interventions focus on a variety of therapeutic modalities to foster holism within individuals, families, and communities. Ethical, cultural, and legal issues are discussed. Clinical experiences provide the opportunity to practice health restoration within varied mental health settings.
- NURS 4220 Integration of Nursing Modalities** 0-9-3
Prerequisite: NURS 4122, NURS 4112, NURS 4100. Planned seminars, clinical laboratories, and directed study will be used to demonstrate mastery of the curricular content. Provides the opportunity to integrate competent nursing into holistic care of selected client populations. Students will identify and address a clinical problem through review of research and development of nursing strategies.
- NURS 4230 Nursing Leadership** 3-9-6
Prerequisite: NURS 4100, NURS 4112, NURS 4122. Focuses on the leadership and management responsibilities of the novice professional nurse within structured and non-structured health care settings.
- NURS 4250 Introduction to Nursing Financial Management** 3-0-3
 A broad introduction to nursing financial concepts, issues, tools, and vocabulary. Topics include financial statement analysis, working capital management, budgeting, cost finding, and rate setting. Minimal accounting proficiency is expected.
- NURS 4400K Nursing Informatics** 2-3-3
Prerequisite: BVED 2400 or CS 1000. Analyzes concepts related to health care informatics and information technologies in health care. Provides students with opportunities to develop theoretical knowledge and enhance technology skills through laboratory application of didactic content.

NUTR: NUTRITION

- NUTR 3030 Women's Health and Nutritional Issues** 2-2-3
Also offered as NURS 3030 and WGST 3030. An introduction to the holistic health care and nutritional needs of women throughout their lifespan. Health care and nutrition issues are discussed from historical and contemporary perspectives. The course explores self-care practices of culturally diverse women, including health maintenance, illness prevention, and complementary healing.

- NUTR 3100 Applied Nutritional Science** 3-0-3
Prerequisite: Completion of Anatomy and Physiology. An introduction to the essential dietary nutrients and their metabolic functions in the body. Students will explore the biochemical and physiological responses to inadequate and excessive nutrients in culturally diverse populations throughout the lifespan. Emphasis is on applying nutrition science to food choices that are important for health promotion.
- NUTR 3250 Special Topics in Nutrition** 3-0-3
Prerequisite: Basic nutrition course or permission of the instructor. An intensive study in any area of student interest related to nutrition or a current topic relevant to nutritional science or complementary nutrition care. Topics may vary depending on selected area of nutrition.
- NUTR 3300 Introduction to Nutrition, Exercise, and Health** 3-0-3
 An introduction to the basic nutrients and their role in exercise and health. The course focuses on the basic nutrient groups, their effects on health, fitness, and sport, along with body composition and weight balance.
- NUTR 3350 Weight Management & Behavior** 3-0-3
Prerequisites: PSYC 2500; PERS 2430 or NUTR 3100 or NUTR 3300; or permission of instructor. An integrative approach dealing with issues related to the prevention of obesity in children and in adults. The course focuses on assessment of factors that affect weight management (eating behaviors, self-esteem, self-image, stress, nutrition and activity needs, and environment) and a variety of intervention strategies for weight management (behavioral, non-behavioral, and non-traditional approaches).
- NUTR 3900 Culture, Food, and Health** 3-0-3
 An examination of different cultural/ethnic/religious groups around the world and within the U.S., their food choices, nutritional practices, and beliefs related to health. This course focuses on cultural perspectives as well as traditional and contemporary food habits among different peoples.
- NUTR 3990 End-of-Life Nurturing** 3-0-3
Also offered as NURS 3990. The study of the meaning of death, dying, and grieving across cultures and life development stages. The course focuses on end-of-life issues such as death as a process to attain life fulfillment, nurturing behaviors (providing nourishment, hydration, and care giving), cultural and spiritual perspectives, and legal and ethical concerns related to quality-of-life decisions.
- NUTR 3910 Botanical and Complementary Healing Practices** 2-2-3
 Introductory exploration of botanical and alternative healing practices. This course focuses on herbal and dietary measures used by different cultures to attain balance and wholeness as well as other healing techniques that address the body-mind-spirit connection. Students are provided an opportunity for hands-on application of selected healing techniques and experiential learning.
- NUTR 4000 Advanced Nutritional Therapy** 3-0-3
Prerequisite: NUTR 3100 or PERS 2430. Explores physiological responses at the cellular level to inadequate and excessive nutrients in culturally diverse clients throughout the lifespan. The course incorporates advanced nutritional assessment. Emphasis is on providing nutritional support and dietary modifications for primary, secondary, and tertiary prevention, consistent with the cultural milieu.
- NUTR 4100 Sports Nutrition** 3-0-3
Prerequisites: NUTR 3300 or NUTR 3100; BIOL 2651 and BIOL 2652; and CHEM 1151K and CHEM 1152K, or CHEM 1211K and CHEM1212K; or permission of Instructor. An in-depth study of the interrelationships among nutrition, energy metabolism, and exercise. The course explores the role of nutrition in energy metabolism, the effect of exercise on nutrient metabolism, nutrient requirements for diverse physiological activities, ergogenic aids, sport specific guidelines related to body composition and energy balance, as well as historical and alternative perspectives on sports and nutrition.

- NUTR 4350 Eating Disorders** 3-0-3
Prerequisites: PSYC 2700; NUTR 3100 or NUTR 3300 or NUTR 3350; or permission of instructor. Focus is on the interconnectedness among biological, psychological and social perspectives of anorexia nervosa, bulimia nervosa, and binge eating disorder and the relationship to nutritional and multidisciplinary therapy. The course also explores transforming a destructive relationship with food to finding inner peace utilizing non-traditional approaches.
- NUTR 4900 Life Cycle Nutrition** 3-0-3
Prerequisite: PERS 2430 or NUTR 3100. A study of nutritional needs and factors that influence health from birth through old age. The course focuses on physiological and biochemical principles that provide the basis for nutritional requirements throughout the life cycle for optimal growth and development, maturation, and aging.
- NUTR 4950 Community Nutrition and Health** 2-2-3
Prerequisites: PERS 2430 or NUTR 3100, NURS 3220 or NURS 3250, or permission of the instructor. Focus is on involvement in community health and nutritional programs and problems. The course emphasizes application and utilization of tools to assess, analyze, and design programs to meet the nutritional and health needs of multicultural communities. It also explores the roles of research and government as they impact nutritional, health, and wellness programs.

PERS: PERSPECTIVE COURSES

The Valdosta State University Core Curriculum requires two Perspective courses, each from a different area of the Perspectives offerings.

Area 1 - Perspectives on Ethics and Values

- PERS 2110 Ethical Concepts in Technology** 2-0-2
 Examination of technological issues and decisions which involve ethical considerations to understand their impact on society, including the role of ethics in problem solving, safety and risk in design, and risk-benefit analysis, applied to global and regional issues.
- PERS 2120 Ethics and the News Media** 2-0-2
 A study of ethical issues in the news media from various regions across the country and various nations with special emphasis on the pursuit of news (objectivity, conflict of interest, making or reporting news, investigative journalism), advertising, terrorism in the media, the reporter and personal ethics, and freedom of the press.
- PERS 2130 Bioethics** 2-0-2
 Investigations of key ethical issues confronting concerned citizens. Major areas covered include reproductive choices, decisions about death, the health care provider-patient relationship, human and animal experimentation, and public policy decisions.
- PERS 2140 Human Rights** 2-0-2
 An examination of the evolving concept of human rights and efforts to promote human rights throughout the world. The development of a global human rights regime is examined, as is the human rights situation in different countries and regions of the world. Contrasting cultural and ideological views of human rights are discussed. The development and current status of human rights in the United States and south Georgia are examined.
- PERS 2150 Ethical Issues in the Arts: Censorship in the United States** 2-0-2
 Review of case studies in areas of the Arts involving censorship and other ethical issues.

- PERS 2160 Perspectives on Leadership** 2-0-2
 An examination of the nature of leadership from a local, regional, and global perspective. The course is designed to engage students in thinking critically about leadership. Students will actively communicate with fellow students and community leaders about the qualities and characteristics of effective leadership.
- PERS 2170 Human Nature / Human Futures** 2-0-2
 An examination of how various advances in the natural sciences, including genomics and biotechnology, are redefining traditional understandings of human nature. Emphasis will be placed on ethical challenges that these new understandings pose at local, regional, and global levels.
- PERS 2170H Human Nature / Human Futures** 2-0-2
 An enhanced examination of how various advances in the natural sciences, including genomics and biotechnology, are redefining traditional understandings of human nature. A seminar format will be used to explore ethical challenges that these new understandings pose at local, regional, and global levels.
- PERS 2199 Special Topics in Perspectives** 2-0-2
 Designed to provide a study in current topics through global, regional, and interdisciplinary approaches. Topics vary.

Area 2 - Perspectives on Tradition and Change

- PERS 2210 Women's Voices** 2-0-2
 The changing tradition of women's writing from the Middle Ages to the contemporary works of Chicana and Southern women authors. The multiplicity of women's identities and experiences as viewed through world literature written by women. Authors may include but are not limited to Christine De Pisan, Aphra Behn, Sor Juana Ines de la Cruz, Luisa Valenzuela, Sandra Cisneros, Gabrielle Roy, Maxine Hong Kingston, Fannie Flagg.
- PERS 2220 Georgia, A Spanish Borderland** 2-0-2
 A study of Georgia's native American and Spanish heritage from A.D. 1000 to 1743. Beginning with prehistory, the course will focus on the impact of Spanish exploration and settlement, using both the disciplines of history and anthropology.
- PERS 2230 Culture and Politics of the South** 2-0-2
 A focus on the distinctive sociology, anthropology, and politics of the southern region and its relationship to global and regional studies. Special emphasis is placed on developing an understanding of the influence that political culture has on human behavior. An appreciation of the difference and similarities in the scope and methods of the social science disciplines is fostered.
- PERS 2299 Special Topics in Perspectives** 2-0-2
 Designed to provide a study in current topics through global, regional, and interdisciplinary approaches. Topics vary.

Area 3 - Perspectives on Human Expression

- PERS 2300 Stimulating Creative Behavior** 1-2-2
 A study of creative problem-solving, including an overview of selected models of creativity, the application of selected problem-solving strategies, the identification of regional and global exemplars of creative problem-solving, and the utility of technology for information acquisition and manipulation.
- PERS 2310 Literature and Journalism** 2-0-2
 Explores the relationship between the practice of journalism and literature from several regions across the country and various nations over the past 150 years, addresses the relationship between "journalistic" and "literary" truth, journalistic and literary style, and parallels between the social role of the journalist and fiction writer.

- PERS 2313 Counter-Cultural Movements of the Cold War Era, 1945-68** 2-0-2
An examination of the interrelationship between literature, music, and history during the first 23 years of the Cold War era. Students will gain an understanding of how counter-cultural movements helped shape contemporary society.
- PERS 2314 Maps as Political and Cultural Documents** 2-0-2
An examination of maps as documents that reflect the social and political agendas of the cultures that produce them. Through readings on the history and uses of cartography as well as through examination of historic and contemporary maps from cultures around the world, students will learn that maps must be read as texts with a cultural bias.
- PERS 2315 Narrative and Identity** 2-0-2
An exploration of the role that narrative plays in non-narrative settings. Emphasis will be placed on the role that various “master narratives” play constructing human identity at the regional, national, and global levels.
- PERS 2315H Honors Narrative and Identity** 2-0-2
An enhanced exploration of the role that narrative plays in non-narrative settings. Emphasis will be placed on the role that various “master narratives” play constructing human identity at the regional, national, and global levels.
- PERS 2320 Cultural Representation in the Press** 2-0-2
An examination of the cultural diversity of international, national, and regional press systems. Emphasis will be placed upon the examination of key roles the press plays in the establishment and promotion of various cultural identities. Press history and communication theory are major components of the course.
- PERS 2330 Women in the Visual Arts** 2-0-2
A study of the global and regional artistic and cultural achievements by women from the prehistoric period to the late 20th century, in the context of social, political, economic, and historic issues.
- PERS 2340 Female Heroes in Religion and Art** 2-0-2
Explores myths, legends, folklore and visual imagery representing female heroes in various religious traditions across cultures (global and regional) and across centuries. Themes explored include determining what constitutes a heroic religious female figure within a particular culture, artistic conventions that influence the representation of the female hero, and reading images in the visual arts as texts.
- PERS 2350 Religion and Culture** 2-0-2
An interdisciplinary, multicultural course that presents an academic study of religion in the context of the social sciences and humanities. The course will explore why people are religious, how they are religious, how religion bonds together, but often leads to destructive behavior as well. Materials emphasizing human religiousness within global, national, and regional cultural settings are implemented as illustrations or case studies. Novels, movies, and visits to traditional religious ceremonies will be used as data in the course.
- PERS 2360 Development of the French, English, and American Theaters** 2-0-2
A perspective on aspects of human expression through a chronological overview of theatrical arts in France, England, and the United States. Emphasis is given to origins, historical development, national characteristics, influences, and trends of the theatrical arts in these three countries. Works by southern playwrights and/or depictions of the South are included.
- PERS 2370 American Film** 2-0-2
A study of the development of the American film industry; a review of its major eras of silent film, films of the Depression period—positive and negative, the years of World Wars, the 50’s, 60’s and beyond; a study of the technology of American film; and a review of avant garde movements. This course features a study of the cultural interrelationships between the southern region of the United States and the rest of the country.

- PERS 2380 Arts Perspective** 2-0-2
A broad, interdisciplinary overview of the arts as communication, expression, and environment in both a southern and national cultural perspective. It includes emphasis areas from the departments of communication arts, music, and art. Students will be involved in a broad range of learning activities to include direct experience, observation, research, and class presentations.
- PERS 2381 Arts Perspective II** 2-0-2
The analysis, synthesis, and communication of the interrelationships among the arts and on the parallel skill development in creative expression, using one mode of artistic expression to stimulate creative response in another.
- PERS 2390 Music in Film** 2-0-2
Insight into the use of music in the cinema and how music is presented in various forms within the film genre; a look at music in film from a global perspective to understand how music in film is affected by certain regions of the U.S., specifically the Southern region. This course traces film music from its operatic roots to present-day filmmaking by looking at aspects of the orchestral score, the soundtrack, and the movie musical.
- PERS 2391 Experiences in Communication Arts** 2-0-2
Provides a broad, interdisciplinary overview of public modes of oral, human expression. Course includes oratorical, theatrical, and electronic media experiences.
- PERS 2399 Special Topics in Perspectives** 2-0-2
Designed to provide a study in current topics through global, regional, and interdisciplinary approaches. Topics vary.

Area 4 - Perspectives on the Environment and Physical World

- PERS 2410 History of Spaceflight** 2-0-2
A brief survey of the history of space technology from Leonardo da Vinci to the modern era, followed by an examination of the development of spaceflight from Sputnik to the Space Station, including the impact of the space program on the Southeastern region.
- PERS 2420 Scientific Dimensions of Environmental Change** 2-0-2
An introduction to the scientific basis of some of the most important environmental issues facing modern society. Global warming, stratospheric ozone depletion, water and air pollution, loss of biodiversity, the spread of infectious disease, or other important global and regional issues will be examined from the perspectives of biologists, chemists, and earth scientists.
- PERS 2430 Nutrition** 2-0-2
An introduction to the interrelationships among nutrition, food, and the environment as they impact health status. The emphasis is on multiple factors that influence food intake and the sum total of nutritional processes resulting in optimal physiological functioning. The role and function of nutrients in health promotion and wellness throughout the life cycle will be discussed with a regional and global perspective.
- PERS 2440 The Built Environment** 2-0-2
A study of significant world, national, and regional architectural achievements, from Stonehenge to American shopping malls, in the context of historical achievements, economic factors, and political events.
- PERS 2450 Environmental Issues for the New Millennium** 2-0-2
Scientific, philosophic, and sociocultural causes, effects, and implications of environmental degradation; discussion of future scenarios and plausible solutions to environmental problems. The first part is an overview of ecological systems, population processes, and the nature of biological diversity; categories of natural resources; summary of forms of environmental decay (e.g. pollution, acid rain, global warming, extinction) affecting the natural world and

human health; and ethical and cultural perspectives on environmental problems and solutions. The second part is an in-depth analysis of a particular topic, offered in 5 modules: 1) causes and consequences of population growth, 2) issues in biodiversity and wilderness preservation, 3) pollution and global climate change, 4) issues in energy and materials production and consumption, 5) cultural views of nature, environmental ethics, and building a sustainable future.

PERS 2460 Science and Humanities Exploring the World 2-0-2

Focus on the intersection between science and literature regarding the global and regional environment. An examination of scientific principles behind the natural regulation of the earth's atmosphere and consequences of an imbalance in those principles, coupled with reading important literary documents responsible for the general public's understanding of scientific processes in ecology.

PERS 2470 Reading the Earth 2-0-2

A study of the Earth from both the geological and humanistic perspectives. Students will learn how geologists "read rocks" to decipher the history of past landscapes, climate, and life, and apply these skills to explore the geological history of Georgia. For the humanistic perspective, literature and film will be used to focus on the Earth and our understanding of it.

PERS 2480 Infectious Diseases and History 2-0-2

Survey of the role of infectious diseases in shaping world and regional history. Diseases and other topics to be covered each semester will vary. Examples include plague, Hansen's disease (leprosy), smallpox, cholera, tuberculosis, typhus, yellow fever, influenza, AIDS, and biological warfare.

PERS 2490 History and Use of Medicinal Plants 2-0-2

A brief history of medicinal plants from prehistory to the present. The course examines the use of herbal and non-timber forest products found locally and in different cultures and countries. The course defines social, economic, and ecological importance of botanicals world wide, along with exploring their biological uses and plant chemistry. Zoopharmacognosy is also introduced.

PERS 2499 Special Topics in Perspectives 2-0-2

Designed to provide a study in current topics through global, regional, and interdisciplinary approaches. Topics vary.

Area 5 - Perspectives on Race and Gender

PERS 2510 African American Art and Culture 2-0-2

A study of African American art, life, and culture from the late 18th century to the late 20th century. The course will focus on the role of Africa and its impulses and traditions, the role of European influences, and national literary and artistic movements. Emphasis will be placed on the contributions of African American artists in the Southeastern region of the United States.

PERS 2520 Women and the Press 2-0-2

An examination of the historical, political, and social factors which have affected the participation, or lack thereof, of women in the mass media internationally, nationally, and regionally. Special emphasis will be placed on media's contributions to the creation of the various stereotypes of women in societies and to their effects on major women's movements.

PERS 2530 Gender, Justice, and the Family 2-0-2

An exploration of the nature of laws and their implications for men, women, and children. Possible topics include: gender-based justice; justice and "family values"; legal theory and the politics of sexual equality. Cross-cultural comparisons and contrasts will be drawn between the domestic laws of other cultures and those of the southeast United States.

- PERS 2540 The Myth of Southern Womanhood** 2-0-2
An examination of the ideal Southern woman, as portrayed in regional myth, literature, and film. Students will also examine the myth from a broader perspective: how the Southern woman compares to other images of women throughout the world.
- PERS 2550 Race, Ethnic Conflict, and Nationalism** 2-0-2
An examination of the relationship of race, ethnic conflict, and nationalism. The course includes study of cases from different countries and regions of the world. Special attention is given to the issues of race, ethnic conflict, and nationalism in the U.S. South.
- PERS 2560 African-American Music and Culture** 2-0-2
A study of African-American music, musicians, and culture from the late 18th century to the late 20th century.
- PERS 2599 Special Topics in Perspectives** 2-0-2
Designed to provide a study in current topics through global, regional, and interdisciplinary approaches. Topics vary.

Area 6 - Perspectives on Cross-Cultural Understanding and Expression

- PERS 2600 International Film** 2-0-2
A historical and critical survey of major international film directors and their contributions to the world of cinema.
- PERS 2610 Tradition and Identity** 2-0-2
A study of the literary representation of selected universal concepts underlying the traditions that shape individual and national identity within diverse cultures. Cross-cultural themes and metaphors such as the relationship between the individual and family, land, ritual, and society will be explored in works from different nations, with readings from such writers as Lorca, Yeats, Esquivel, Synge, Williams, LeGuin, and Mitchell. The course will feature readings and films, a presentation by a regional writer, and a field trip.
- PERS 2615 Politics and Film** 2-0-2
A study of regional and global political processes and institutions, policy issues, and political personalities, using documentaries and movies as the teaching medium. Techniques will include analysis of plot, theme, significant characters, and selected criticism.
- PERS 2620 Literature and History of the Vietnam War** 2-0-2
An examination of the involvement of the United States in Vietnam from 1945 to today. Through readings in history and literature, students will learn about major social, cultural, historical, and regional developments in these years. An understanding of Vietnam culture will also be a part of this course.
- PERS 2630 Racism in Retreat** 2-0-2
An interdisciplinary exploration of racial prejudice, bigotry, and hatred. Themes will include history of race relations in America (examined through regional and global perspectives), institutional racism, and the need for toleration and equality. This course will consist of an intensive off-campus retreat over two weekends in the term. Following an individual meeting with faculty, students will engage in selected readings and assignments and participate in discussions, exercises and activities, before, during, and after the retreat as they confront the faces of racism.
- PERS 2640 Law and Justice Around the World** 2-0-2
A cross-disciplinary course in which law and criminal justice in the United States are compared with major systems of law and justice in the world. The course gives extensive attention to the rule of law and particular attention to the influence of other systems of law on that of Georgia and the United States.

- PERS 2650 Christianity and Islam** 2-0-2
An exploration of the principal defining characteristics of two major world religions, Christianity and Islam. A brief historical overview is followed by discussion of the global proliferation of these traditions and their contributions to the cultures in which they are established. Global and regional issues confronting each tradition in the present day are identified and discussed.
- PERS 2660 Culture, Context, and Communication** 2-0-2
Dimensions of culture and how these dimensions serve as barriers or bridges to communication and understanding. American values and cultural norms—especially those of the region and the South generally—as well as foreign perceptions of these values and norms, are used as a frame of reference in analyzing specific incidents of cultural misunderstanding and value conflicts. Particular emphasis is placed on contrasting American (and specifically Southern) culture with lesser known cultures of the non-Western world.
- PERS 2670 Latin American Studies** 2-0-2
An exploration of a variety of topics related to the study of Latin America and the Hispanic populations of the United States, including language, literature, geography, ethnicity, social structure, religion, music, and contemporary issues. United States and Latin American perspectives will be covered with specific attention given to the Hispanic community in the southeastern United States.
- PERS 2675 Japanese Music and Culture** 2-0-2
An exploration of a variety of topics related to the study of Japanese music and culture.
- PERS 2680 Crossroads, Cross Cultures: Exploring the Global Village** 2-0-2
An introduction to selected cultures of the major world regions including the Americas, Western Europe, Africa, Asia, the Middle East, the Far East, and Indonesia. The cultural cluster areas covered will be: 1) language and communication, 2) social variables, 3) geographical variables, 4) cross cultural environment, and 5) current political systems. Students will also look at the regional culture of south Georgia and integrate knowledge of that culture within the international context, thereby increasing awareness of the diversity/similarity of communities within the global village.
- PERS 2690 Multicultural America** 2-0-2
An examination of issues raised by living in a multicultural society. Through discussions of films and readings, students will consider how different cultures have shaped the United States in the past and where such shapings might lead in the future.
- PERS 2695 World Music Cultures** 2-0-2
An introduction to selected world music cultures, using a case-study approach that emphasizes the distinctive contexts, sounds, and meanings of music performance worldwide. The course looks at music as culture and focuses on the role and function of music in relation to such topics as identity; belief, ritual, and worship; politics; memory; migration; festival; and dance.
- PERS 2699 Special Topics in Perspectives** 2-0-2
Designed to provide a study in current topics through global, regional, and interdisciplinary approaches. Topics vary.

Area 7 - Perspectives on the World of Work

- PERS 2700 Communication Systems** 2-0-2
The development and application of speech/artistic communication skills in both a southern and national cultural perspective that will affect the student's educational, religious, economic, social, and professional life in the 21st century.
- PERS 2710 Exploring Success** 2-0-2
An exploration of success writings in biographies, research publications, and the self-help literature. Areas of application include business, sports, personal development, and interpersonal relations.

- PERS 2720 Techniques of Problem Solving** 2-0-2
 An introduction to problem solving methodology and techniques that pertain to everyday problems, both regional and global, in varied disciplines. Techniques include counting arguments, graphical methods, logical and analytical techniques such as contradiction, analogy, induction, generalization, specialization, exhaustion, and reformulation.
- PERS 2730 Internet Technology** 2-0-2
 An introduction to networking concepts, the Internet, and the World Wide Web with regional and global applications. Students will work with FTP, telnet, email, Usenet, listservs, and Internet-based electronic bulletin boards, search strategies, and web page construction.
- PERS 2740 Women and Work** 2-0-2
 An exploration of the changing relationship between women's roles in the family and in the workforce, and the ways in which that relationship has been shaped by social and political forces over time. The course will trace historical trends in women's employment and will include an examination of the effects of economic globalization on women's employment, both in the southeast United States and around the world.
- PERS 2750 Exploring the Information Society** 2-0-2
 An exploration of information, examining how it is generated, evaluated, organized, and used. Students investigate the impact of information in society from regional, national, and global perspectives, with a focus on the political, economic, and ethical aspects.
- PERS 2799 Special Topics in Perspectives** 2-0-2
 Designed to provide a study in current topics through global, regional, and interdisciplinary approaches. Topics vary.

PHIL: PHILOSOPHY

- PHIL 2010 Fundamentals of Philosophy** 3-0-3
 An introduction to the principal problems with which philosophy is concerned: methods of inquiry; principles of critical reasoning; analysis of values and value systems; appraisals and analyses of basic beliefs and attitudes. Emphasis is on the contribution of important movements and major philosophers and on the relevance of philosophy to religious, political, social, ethical, and/or scientific issues.
- PHIL 2010H Honors Fundamentals of Philosophy** 3-0-3
 An introduction to the principal problems with which philosophy is concerned: methods of inquiry; principles of critical reasoning; analysis of values and value systems; appraisals and analyses of basic beliefs and attitudes, taught in an enriched, discussion-oriented environment. Emphasis is on the contribution of important movements and major philosophers and on the relevance of philosophy to religions, political, social, ethical, and/or scientific issues.
- PHIL 2020 Principles of Logic and Argumentation** 3-0-3
 An introduction to the principles of logic and the nature of argumentation. Attention is given to language analysis, fallacies of reasoning, deductive and inductive procedures, subjective factors of reasoning and scientific method. Emphasis is on the practical application of basic principles to the analyses of ethical, political, and legal arguments and theories.
- PHIL 2020H Honors Principles of Logic and Argumentation** 3-0-3
 An introduction to the principles of logic and the nature of argumentation, taught in a discussion-oriented environment emphasizing reasoned discourse. Attention is given to language analysis, fallacies of reasoning, deductive and inductive procedures, subjective factors of reasoning and scientific method. Emphasis is on the practical application of basic principles to the analyses of ethical, political, and legal arguments and theories.
- PHIL 3060 History of Ancient Philosophy** 3-0-3
Prerequisite: PHIL 2010 or PHIL 2010H or consent of the instructor. A historical survey of philosophy of the ancient period, including Greek, Roman and other traditions.

- PHIL 3070 History of Medieval Philosophy** 3-0-3
Prerequisite: PHIL 2010 or PHIL 2010H or consent of the instructor. A historical survey of philosophy of the medieval period.
- PHIL 3080 History of Early Modern Philosophy** 3-0-3
Prerequisite: PHIL 2010 or PHIL 2010H or consent of the instructor. A historical survey of philosophy of the early modern period, ranging from the 16th to the 18th centuries.
- PHIL 3090 History of Late Modern Philosophy** 3-0-3
Prerequisite: PHIL-2010 or PHIL 2010H or consent of the instructor. A historical survey of philosophy of the late modern period, ranging from the 19th to the 20th centuries.
- PHIL 3100 Ethics and Health Care** 3-0-3
A study of ethical issues in health care delivery, with special emphasis on abortion, euthanasia, paternalism and autonomy, confidentiality, medical experimentation and informed consent, allocation of scarce resources, and the right to health care.
- PHIL 3110 Aesthetics** 3-0-3
A study of the nature of art and theories of value, with special attention to the definition of “art,” what we mean by “having aesthetic taste,” what “creativity” is, and how visual arts, music, poetry, and scientific images and models relate to issues in ethics, human emotions, and our social/political context.
- PHIL 3120 Ethical Theory** 3-0-3
An introduction to ethical theory, with special emphasis on survey of classical theorists and on the study of theoretical debates in normative ethics.
- PHIL 3130 Social and Political Philosophy** 3-0-3
An introduction to social theory and practice, with special emphasis on survey of classical theories and the study of practical policy issues.
- PHIL 3140 Ethics and Law** 3-0-3
A study of ethical issues in law and society, with special emphasis on the nature of law and legal reasoning, of responsibility and punishment, constitutional adjudication, procedural justice, the limits of liberty, and civil disobedience.
- PHIL 3150 Ethics and Business** 3-0-3
A study of ethical issues in business and society, with special emphasis on corporate responsibility, regulation of business, and the protection of workers, consumers and the environment.
- PHIL 3160 Ethics and Media** 3-0-3
A study of ethical issues in the media, with special emphasis on pursuit of news, advertising, media lobbying, terrorism and the media, the reporter and personal ethics, freedom of the press, and ethics and the Internet.
- PHIL 3170 Ethics and Sport** 3-0-3
A study of ethical issues in sport and society, with special emphasis on issues such as contest and competition, commercialization of sport, cheating, drug use, violence, gender and racial discrimination.
- PHIL 3180 Ethics and the Environment** 3-0-3
A study of ethical issues in our interaction with the environment, with special emphasis on the defining of an environmental ethic and on specific issues such as local and global environmental case studies, deep ecology, ecofeminism, the history of the land ethic and its refinements, international governmental and non governmental policies, and the protection of endangered species and habitats.
- PHIL 3190 Ethics and the Social Sciences** 3-0-3
A study of ethical issues in the social sciences, with special emphasis on issues such as human and animal experimentation, counseling, behavior control, punishment, psychological and sociological determination, and gender and racial discrimination.
- PHIL 3200 Philosophy of Science** 3-0-3
A study of philosophical problems and issues in science, including theories of explanation, scientific method, implications of science practice on society.

- PHIL 3210 Ethics and Technology** 3-0-3
A study of ethical issues in technology and society, with emphasis on developing a philosophy of technology and on issues such as automation, artificial intelligence, nuclear technologies, and the impact of new technologies on existing social structures.
- PHIL 3220 Cosmology** 3-0-3
Also offered as ASTR 3220. Prerequisite: ASTR 1020K and PHIL 2010 or PHIL 2010H or consent of the instructor. A scientific and philosophical study of our perception of the universe, including the world views of Ptolemy, Copernicus, and Einstein.
- PHIL 3230 Philosophy of Mind** 3-0-3
A study and analysis of main issues in philosophical psychology and cognitive science, including the nature of the mental, models of thought and rationality, the role of emotions, the problem of free will, and virtual reality.
- PHIL 3300 Philosophy of Religion** 3-0-3
Also offered as REL 3300. The study of basic problems of religious belief and critical analysis of proposed solutions to these problems.
- PHIL 3400 Existentialism** 3-0-3
Also offered as REL 3400. The study of some of the principal existentialist thinkers such as Kierkegaard, Nietzsche, Sartre, Heidegger, Simone de Beauvoir, Camus, Buber, and Jaspers.
- PHIL 3430 American Philosophy** 3-0-3
A study of American philosophical thought, including the traditions of transcendentalism, Native American philosophy, African American philosophy, American feminism, with a focus on American pragmatism, including the words of C. S. Peirce, W. James, J. Dewey, and G. H. Mead.
- PHIL 3530 Christian Ethics** 3-0-3
Also offered as REL 3530. Classical and contemporary sources, methods, and norms evident in a variety of approaches to Christian ethics such as Biblical ethics, feminist ethics, Catholic and Protestant social teachings, and liberation theology. The course applies the social teachings of Christian traditions to relevant issues in social ethics today.
- PHIL 3700 Buddhism** 3-0-3
Also offered as REL 3700. An exploration of major historical, cultural, and philosophical developments of the Buddhist tradition from its inception in the 5th century B.C.E. in India to its flourishing in modern times. Buddhist teachings, texts, and practices in Theravada, Mahayana, and Zen contexts are examined.
- PHIL 3710 Hinduism** 3-0-3
Also offered as REL 3710. An exploration of major historical, cultural, and philosophical developments of the Hindu tradition from its inception in 2300 B.C.E. in India to its flourishing in modern times. Hindu teachings, texts, cosmology, ritual, symbolic expression, and ethical practices will be explored.
- PHIL 3800 Philosophy of Film** 3-0-3
A study of the role that film plays in American culture, and the sense in which film reflects our social context. The history of film theory will be addressed, including examples from a variety of film genres. Film will be included as a narrative commentary on politics, class, gender, and race.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

- PHIL 3850 Philosophy of Race** 3-0-3
 A study of issues of race in society, with emphasis on developing a philosophy of race and anti-racism. The historical conceptualization of race will be addressed through the history of philosophy and in works by philosophers such as Aristotle, Kant, Hegel, Dworkin, and Rawls. Various American philosophers of race will be introduced, including W. E. B. Dubois, Cornel West, Angela Davis, Michele Moody-Adams, Patricia Hill Collins, and Marilyn Frye.
- PHIL 4120 Ethics and Public Policy** 3-0-3
 A study of ethical issues involved in public policy, with special emphasis on issues such as affirmative action, abortion, euthanasia, capital punishment, free speech and privacy.
- PHIL 4220 Ethics and Public Administration** 3-0-3
 A study of ethical issues in public administration, with special emphasis on developing analytical skills in ethical decision-making in the public sector, highlighting the role of ethics and professional responsibility in public service, and identifying situations involving professional malfeasance such as conflict of interest.
- PHIL 4800 Special Topics in Philosophy** 1-0-1 to 3-0-3
 A study of selected topics in philosophy.
- PHIL 4810 Directed Study in Philosophy** 1-0-1 to 3-0-3
 An individual study of a special area of philosophy under supervision of the instructor.
- PHIL 4900 Special Topics in Ethics** 1-0-1 to 3-0-3
 A study of selected topics in theoretical and applied ethics.
- PHIL 4910 Directed Study in Ethics** 1-0-1 to 3-0-3
 An individual study of a special area of ethics under supervision of instructor.
- PHIL 4920 Metaphilosophy** 3-0-3
Prerequisite: Senior Philosophy Major. A capstone course for senior philosophy majors, which includes individual research projects on selected themes, presented by students to their peers and to the philosophy faculty, who are participants in the course. World Wide Web Internet technology is included in course research and presentation.

PHSC: PHYSICAL SCIENCE

- PHSC 1100 The Universe of Energy** 3-0-3
Prerequisite: MATH 1111 or equivalent, or consent of the instructor. A survey of the physical sciences focused upon the theme of energy. The concept of energy as a physical quantity is developed, and implications of the Law of Conservation of Energy are explored. Issues related to the utilization of energy in an industrial society are discussed, and examples of geological, meteorological, astrophysical, and chemical processes which involve energy are presented.
- PHSC 3010 Experimental Physical Science** 2-4-4
Prerequisite: MATH 1111 or equivalent. This course covers the basic principles of physical science, and how apparatus can be built from commonly available materials in order to demonstrate these principles.
- PHSC 3050 Observational Astronomy** 2-4-4
Prerequisite: PHSC 1100, and GEOL 3020 or ASTR 1020K, or the consent of the instructor. A study of the observation of celestial objects visible to the unaided eye, with astronomical photography, the position and motion of objects in the sky, locating celestial objects with the telescope and the use of star charts.

PHYS: PHYSICS

- PHYS 1111K Introductory Physics I** 3-3-4
Pre- or co-requisite: MATH 1112 or MATH 1113. Part I of an introductory course in physics. Topics include mechanics, thermodynamics, and waves. Elementary algebra and trigonometry will be used. Three lecture hours, one 2-hour laboratory, and one 1-hour recitation session per week.
- PHYS 1112K Introductory Physics II** 3-3-4
Prerequisite: PHYS 1111K with a grade of “C” or better. Part II of an introductory course in physics. Topics include electromagnetism, optics, and modern physics. Three lecture hours, one 2-hour laboratory, and one 1-hour recitation session per week.
- PHYS 2211K Principles of Physics I** 3-3-4
Corequisite or Prerequisite: MATH 2261. Part I of an introductory course in calculus-based physics. Topics include mechanics, thermodynamics, and waves. Elementary differential and integral calculus will be used. Three lecture hours, one 2-hour laboratory, and one 1-hour recitation session per week.
- PHYS 2212K Principles of Physics II** 3-3-4
Corequisite or Prerequisite: MATH 2262 . **Prerequisite:** PHYS 2211K with a grade of “C” or better. Part II of an introductory course in calculus-based physics. Topics include electromagnetism, optics, and waves. Elementary differential and integral calculus will be used. Three lecture hours, one 2-hour laboratory, and one 1-hour recitation session per week.
- PHYS 2700 Modern Physics** 1-0-1
Prerequisite: PHYS 2211K. A preparatory course for the upper-division physics curriculum. An overview of physics developed in the last century. Topics include the special theory of relativity, the particles-wave duality, matter waves, Schrödinger’s equation, and condensed matter physics.
- PHYS 3040 Electronics** 2-4-4
Prerequisite: PHYS 2212K. A lecture-laboratory study of basic electrical circuits and techniques, including extensive use of the oscilloscope. Both continuous wave and pulse phenomena are treated.
- PHYS 3100 Optics** 2-2-3
Prerequisites: PHYS 2212K, MATH 2263, MATH 3340. An intermediate level course with emphasis on physical optics. Topics include interference, polarization, dispersion, absorption, resonance and quantum effects. The electromagnetic nature of light is emphasized.
- PHYS 3810 Mathematical Methods of Physics** 3-0-3
Prerequisites: PHYS 2212K and MATH 2263. Special topics in mathematics as related to advanced study in physics. Topics include vector analysis, differential equations, orthogonal functions, eigenvalue problems, matrix methods, and complex variables.
- PHYS 3820 Computational Physics** 3-0-3
Prerequisites: PHYS 2212K and MATH 2263. Topics include formulation of equations describing physical systems and the use of computers to solve them, computer simulations of physical systems, the use of computers to acquire and analyze data, and graphical methods of displaying data.
- PHYS 4040 Experimental Physics** 2-4-4
Prerequisite: PHYS 2212K. A lecture-laboratory course devoted to techniques of research in experimental physics. Topics include treatment of data, vacuum techniques, magnetic devices, preparation and manipulation of beams of particles, and radioactivity. A number of modern physics experiments are studied and performed.
- PHYS 4111 Theoretical Mechanics I** 3-0-3
Prerequisite: MATH 2263; PHYS 2212K with a grade of “C” or better. Topics include Newtonian mechanics, conservation laws, simple harmonic motion, and Lagrange’s equations.

- PHYS 4112 Theoretical Mechanics II** 3-0-3
Prerequisite: PHYS 4211 with a grade of “C” or better. Topics include Newtonian mechanics, rotational motion, waves, relativity, and Hamiltonian formalism.
- PHYS 4211 Electromagnetism I** 3-0-3
Prerequisites: MATH 2263 and PHYS 2212K with a grade of “C” or better. Topics include electrostatics, magnetostatics, charge distributions, and Maxwell’s equations in differential form.
- PHYS 4212 Electromagnetism II** 3-0-3
Prerequisite: PHYS 4211 with a grade of “C” or better. Topics include electrodynamics, time varying electric and magnetic fields, and propagation of electromagnetic waves.
- PHYS 4310 Thermodynamics** 3-0-3
Also offered as ENGR 4310. Prerequisite: MATH 2263, PHYS 2211K. Basic principles of classical thermodynamics, which includes open and closed systems for both steady and transient processes.
- PHYS 4411 Quantum Mechanics I** 3-0-3
Prerequisites: PHYS 2212K and MATH 2263. **Pre- or Co-requisite:** PHYS 4111. Topics include the wave-particle duality of light and matter, Schrödinger’s equation, and time-independent solutions to Schrödinger’s equation. Dirac notation and matrix formalism are introduced.
- PHYS 4412 Quantum Mechanics II** 3-0-3
Co-requisite: PHYS 4111. Topics include angular momentum and spin operators, time-independent perturbation theory, and the WKB approximation.
- PHYS 4501 Capstone Seminar I** 1-0-1
Prerequisite: Senior standing. A study of current developments in the fields of physics. Oral presentations will be required of all students and will be based on recent research articles in physics and related journals.
- PHYS 4800 Internship in Physics** 0-6-3 to 0-12-6
Active participation in research in physics or in a field of science closely allied with physics, such as biophysics. A daily log of activities, a report on the work done, and a research paper relating the work done to the field of physics are required.
- PHYS 4900 Special Topics in Physics** 1-0-1 to 4-4-6
Prerequisite: Consent of advisor and instructor, and at least junior standing. Topics to be assigned by instructor; may be taken more than once if topics are different, up to a total of 6 credit hours.
- PHYS 4950 Directed Study in Physics** 1-0-1 to 4-4-6
Prerequisite: At least Junior standing; permission of advisor, instructor, and department head. Study in area or subject not normally found in established courses offered by the department; may also allow student to explore in more detail and/or depth an area or subject covered by the department in physics. Up to a maximum of 12 credit hours.

POLS: POLITICAL SCIENCE

- POLS 1101 American Government** 3-0-3
An examination of the fundamental institutions and political processes of the American system of government. Students are also given an overview of Georgia’s Constitution, state politics, and state government institutions. **POLS 1101 satisfies legislative requirements for the study of U.S. and Georgia Constitutions.**
- POLS 1101H Honors American Government** 3-0-3
A survey course to provide honors students with an understanding of the institutions and political processes of the American system of government, taught in an enriched environment. Students are also given an overview of Georgia’s Constitution, state politics, and state government institutions. **POLS 1101H satisfies legislative requirements for the study of U.S. and Georgia Constitutions.**

- POLS 2101 Introduction To Political Science** 3-0-3
An introduction to Political Science as a field of inquiry. Surveys the subfields of the discipline of Political Science, including American, comparative, and international politics; political theory, public law, and public administration.
- POLS 2200 The Development of American Democracy** 3-0-3
An examination of the evolution of American democracy from the founding to the contemporary era. Initially, this course investigates the constitutional foundations of American government. The course lectures and readings will explore the political thought of the founding fathers and the development of the U.S. Constitution. Students will explore the changes in the political processes and institutions of American government over the last 200 years.
- POLS 2401 Introduction To Global Issues** 3-0-3
A survey of contemporary political issues arising both internationally and in the United States. Discussion will focus upon a number of controversial political topics currently being debated in the United States such as electoral reform, social and welfare issues, and role of the U.S. in the world. The course will also examine issues of a more international nature such as global security, international trade and economics, human rights, and the moral responsibilities of nation-states.
- POLS 2401H Honors Introduction To Global Issues** 3-0-3
A survey of contemporary political issues arising both internationally and in the United States for honors students, taught in an enriched environment. Discussion will focus upon a number of controversial political topics currently being debated in the United States such as electoral reform, social and welfare issues, and the role of the U.S. in the world. The course will also examine global issues such as international trade and economics, human rights, and the moral responsibilities of nation-states.
- POLS 2501 Current Issues in American Politics** 3-0-3
A discussion of current political issues in America as well as their roots in the American social, economic, and political environment.
- POLS 3100 Scope and Methods of Political Science** 3-0-3
An introduction to the foundations of politics as a science by examining what political scientists (and other social scientists) do and study. The course examines the basic concepts and approaches to understanding the political world and all it embodies, from analyzing a public policy to examining electoral behavior. It is designed to introduce students to political science research, prepare students to evaluate research critically, interpret social scientific research and provide students with the requisite skills to initiate and conduct research. POLS 3100 is taught in an electronic classroom using appropriate software packages.
- POLS 3200 American State and Local Government and Politics** 3-0-3
A study of American subnational governments and politics with special emphasis upon intergovernmental relations.
- POLS 3210 The American Legislative Process** 3-0-3
A study of the legislative process in the United States, focusing primarily on Congress and the state legislatures. Course topics will include elections for legislative offices and the interaction between the legislature and the executive branch. The roles of parties and leaders in the legislative process will be examined.
- POLS 3220 The American Political Process: Campaigns, Elections and Voters** 3-0-3
A general overview of the American political process. Special emphasis is placed on the role of money and the media in modern campaigns. The course examines the rise of "candidate-centered" elections. The study of the American voter focuses on the decline in voter turnout, the rise of the independent voter, and the influence of race on voting.
- POLS 3230 Political Parties, Interest Groups and the Media** 3-0-3
A study of the mediating institutions in society which connect citizens to their government. The course examines the historical evolution of American political parties and their special contribution to our democracy. After an examination of the decline of political parties in the

20th century, this course explores the ascendance of interest groups and the mass media. Topics of particular include the explosion of political action committees, the rise of issue networks, media bias and the influence of the media on political learning.

POLS 3240 American Judicial Process and Behavior 3-0-3

A comprehensive examination of the workings of the American judiciary, its impact and compliance at both the state and the federal levels and the complex environment within which the courts function. Critical to the examination of both criminal and civil courts is the assumption that decisions made by judges play a powerful role in shaping public policy and that courts themselves are strongly influenced by other institutions and forces in the society.

POLS 3260 Jurisprudence: Theories of Law and Legal Thought 3-0-3

An examination of major legal schools of thought. The course looks at positive law, natural law, ideas of justice, and the concept of natural rights.

POLS 3270 Public Opinion and Political Socialization 3-0-3

An examination of the origins, content, and impact of public opinion. Special emphasis is placed on the advantages and limitations of public opinion polling. The course also examines the main agents of political socialization. Topics of particular interest include the role of the family in political learning, racial differences in political socialization, and the influence of television on the formation of pre-adult political opinions.

POLS 3290 The American Presidency 3-0-3

The study of the role, powers, and responsibilities of the President of the United States within the constitutional system and the changing nature of the presidency.

POLS 3300 Comparative Politics 3-0-3

A study of key concepts and theories of comparative politics. Examines case studies from different types of political systems and regions of the world.

POLS 3400 International Politics 3-0-3

A study of key concepts and theories of international politics. Examines the evolution of the contemporary international system and conflict and cooperation among nation-states.

POLS 3500 Western Political Theory I 3-0-3

An examination of the teachings of the classical period of political theory from early Greeks through the political writings of Thomas Aquinas.

POLS 3510 Western Political Theory II 3-0-3

An examination of the normative teachings of modern political theory beginning with Machiavelli up to the writings of John Stuart Mill.

POLS 3520 Modern Political Ideologies 3-0-3

An exploration of the dominant political ideologies that shape decisions about and understanding of political events, including but not limited to capitalism, socialism, communism, patriarchy, feminism, environmentalism, liberation theology, liberalism, populism, and nationalism.

POLS 3530 American Political Thought 3-0-3

A study of the foundations of American political thought from the Puritan era to contemporary times.

POLS 3600 Introduction to Public Administration 3-0-3

A focus on the study of public administration processes and underlying theories within American government structures. Emphasis is on the pragmatic aspects of current government leadership and public agency management.

POLS 3610 Public Administration and Public Policy Formation 3-0-3

An examination of the basic problems involved in the development of public policy by government actors and institutions, with emphasis on public decision making, organizational theory, and political and administrative influences on the policy making process.

- POLS 4100 Political Science Capstone Course** 3-0-3
Prerequisite: POLS 3100. An application of political science research skills to the study of specialized topics that reflect the expertise of the instructor. Students will prepare and present a formal research paper. POLS 4900 may be taken as a substitute or in addition.
- POLS 4200 American Constitutional Law I** 3-0-3
 A comprehensive study of constitutional law emphasizing leading constitutional cases with respect to separation of powers, federalism, rights and liberties, and the role of law enforcement in relation to civil and criminal law.
- POLS 4202 American Constitutional Law II** 3-0-3
 A comprehensive study of constitutional law, emphasizing leading cases with respect to civil liberties. Special attention will be given to the due process clauses and the rights of the accused.
- POLS 4203 American Constitutional Law III** 3-0-3
 A comprehensive study of constitutional law, emphasizing leading decisions with respect to the First Amendment and the Supreme Court's policy role.
- POLS 4210 Separation of Powers in the American Political System** 3-0-3
 An exploration of the political theory behind a separation of powers. Primary emphasis is placed on the relations between Congress and the President. Topics of particular interest include the origins and impact of divided government, the role of the Supreme Court in arbitrating disputes between the branches of government, and reform proposals to bridge the separation of powers.
- POLS 4220 Administrative Law and Government** 3-0-3
 An overview of the administrative law process with the focus upon the formation and execution of public policy. Special emphasis is placed upon protecting the interests of all parties involved in the complex process of administrative law, policy formation and implementation.
- POLS 4230 Legal Research** 3-0-3
 A concentration on developing the research skills necessary for a knowledge, appreciation, and ability to function effectively within the legal system.
- POLS 4240 Politics and the Supreme Court** 3-0-3
 A review of landmark decisions of the Supreme Court. This course addresses issues related to the political climate surrounding such decisions. The political ramifications of Supreme Court cases are emphasized.
- POLS 4250 Trial Advocacy** 3-0-3
Also offered as LEAS 4250. An examination of all aspects of presenting a case in trial. Students develop effective methods for analyzing and preparing cases for presentation in trial. Students will learn and use basic technical skills necessary as members of the University's Mock Trial Team at tournaments sponsored by the American Mock Trial Association. May be repeated for credit up to 9 hours for political science majors, with no more than 3 credit hours applicable to the major.
- POLS 4270 Southern Politics** 3-0-3
 An exploration of the unique and colorful political history and political culture of the American South. After considering the defining characteristics of the "old" southern politics, the course examines the most important features of the "new" southern politics and analyzes the changing role of the South in national politics. This course will focus on the "three R's" of southern politics: race republicanism, and realignment.
- POLS 4300 European Politics** 3-0-3
 A study of the politics and government of Europe. The course focuses on key political institutions and issues in major European countries, and the impact of integration on the nation-state.

- POLS 4310 Politics in Russia** 3-0-3
A comprehensive study of the Russian political system with careful attention to the Soviet communist era. Major topics include the role of political parties, institutional changes, political culture, and leadership.
- POLS 4330 African Politics** 3-0-3
A study of the domestic and international politics of Africa from the pre-colonial period to the present day.
- POLS 4340 Comparative Political Leadership** 3-0-3
An application of theories of political leadership in a comparative framework. There will be considerations of conditions leading to effective as well as to failed leadership. Course material will include case studies of individual leaders as well as of key leadership bodies.
- POLS 4350 Politics in Developing Nations** 3-0-3
The study of political institutions, processes and behavior within a comparative perspective.
- POLS 4360 Politics of Post-Communism** 3-0-3
An examination of the political dynamics of Eurasia. Comparisons of emergent political systems in East Central Europe, Russia, and the newly independent nations formed out of the old Soviet Union will constitute the central focus. A secondary emphasis will be study of the regional and international orientations of these nation-states.
- POLS 4370 Comparative Constitutional Law and Judicial Politics** 3-0-3
A cross-cultural examination of constitutional legal systems. The course focuses on such topics as institutions, legal professionals, judicial selection, judicial decision-making, and methodological issues involved in the cross-cultural study of legal processes and behavior.
- POLS 4390 Constitutional Law and Judicial Politics of the European Union** 3-0-3
An examination of constitutional law and judicial politics with emphasis on the legal and political framework of the European Union. The focus is on the following topics: legal and political institutions of the European Union, legal and political elites, judicial selection/recruitment of judges, judicial/political decisionmaking and relevant issues involved in cross-cultural study of legal and political systems. The course examines how decisions of the Court of Justice impact the economic balance and political stability of the European Union.
- POLS 4400 International Organization and Law** 3-0-3
Readings, cases, lectures and research on the functioning of the legal structures in the international system with special emphasis on the relation between law and politics.
- POLS 4410 American Foreign Policy** 3-0-3
A study of the domestic and external pressures that guide American foreign policy planners. Specific policies toward Russia, West Europe, China, and Latin America will receive special attention.
- POLS 4420 Global Security Policy** 3-0-3
The study of the political efforts to deal with threats to world order arising from war, nuclear proliferation, international terrorism, the environment, the economy, and related factors.
- POLS 4430 National Security Administration and Policy** 3-0-3
An examination of the organizational dynamics, political features, and policy outcomes of the national security decision-making process. Special attention will be placed on the changing role of the National Security Council.
- POLS 4440 Model United Nations** 3-0-3
A study of the role of the UN in the world today. Students will obtain experience in practicing diplomatic skills in a mock setting. The ultimate goal of the course is to prepare students to represent accurately a member of the UN in regional and national competition. May be repeated for credit.
- POLS 4600 Government Organization and Administrative Theory** 3-0-3
A systematic analysis of theories of organization, management, and administration. Special consideration will be given to institutional, behavioral, and psychological factors.

- POLS 4610 Public Personnel Administration** 3-0-3
An examination of procedures and problems of governmental personnel administration. Studies of governmental agencies are encouraged to give students first-hand knowledge of governmental personnel administration.
- POLS 4620 Public Finance Administration** 3-0-3
A study of the activities involved in the collection, custody, and expenditure of public revenue, such as the assessment and collection of taxes, public borrowing and debt administration, the preparation and enactment of the budget, financial accountability and the audit.
- POLS 4630 Techniques and Processes of Public Management** 3-0-3
An exploration of public management within the structure and context of a democratic government. The course examines the strengths and weaknesses of public management processes such as the National Performance Review, traditional public management techniques, and applied theories to assess change in Georgia laws. It also addresses public management, leadership, decision-making, analytical models, budgeting, and selected public issues.
- POLS 4640 Urban Politics and Administration** 3-0-3
An analysis of the governmental function in urban areas. Emphasis is placed on the management role in a political context.
- POLS 4650 Intergovernmental Relations** 3-0-3
A study of federal, state, and local governmental interactions, with an emphasis on the implications of these interactions for public management.
- POLS 4670 Quality Management in Public Administration** 3-0-3
An examination of key current issues in public administration. The course explores the most current literature illuminating the issues facing public administrators in today's demanding environment.
- POLS 4700 Directed Study in Political Science** 1-0-1 to 3-0-3
Directed readings in selected areas of political science with regular conferences between instructor and students.
- POLS 4700H Honors Directed Study in Political Science (Thesis)** 1-0-1 to 3-0-3
Directed readings in selected areas of political science with regular conferences between instructor and students.
- POLS 4820 Special Topics in U. S. Government and Politics** 3-0-3
- POLS 4820H Honors Special Topics in US. Government and Politics** 3-0-3
Special topics in U.S. government and politics for Political Science Honors Track. May be repeated for credit.
- POLS 4830 Special Topics in Comparative Politics** 3-0-3
- POLS 4830H Honors Special Topics in Comparative Politics** 3-0-3
Special topics in comparative politics for Political Science Honors Track. May be repeated for credit.
- POLS 4840 Special Topics in International Politics** 3-0-3
- POLS 4840H Honors Special Topics in International Politics** 3-0-3
Special topics in international politics for Political Science Honors Track. May be repeated for credit.
- POLS 4850 Special Topics in Political Theory** 3-0-3
- POLS 4850H Honors Special Topics in Political Theory** 3-0-3
Special topics in political theory for Political Science Honors Track. May be repeated for credit.
- POLS 4860 Special Topics in Public Administration** 3-0-3
- POLS 4860H Honors Special Topics in Public Administration** 3-0-3
Special topics in public administration for Political Science Honors Track. May be repeated for credit.

POLS 4700H Honors Directed Study in Political Science (Thesis) 3-0-3

Directed study in selected areas of political science, with regular conferences between instructor and students, leading to the writing of a thesis. For students in the Political Science Honors Track.

POLS 4900 Internship in Political Science 3 to 12 credit hours

Supervised study in a structured governmental, political, or other suitable environment, as approved by the department head. Open to any student, regardless of major. The number of credit hours granted is dependent upon the particular program, academic work, requirements, and nature of participation. May be substituted for POLS 4100 as the capstone course for political science majors. If a 6-, 9-, or 12-hour internship is taken, the student must use those additional hours as elective courses. The student may not use any additional hours above 3 in lieu of a political science course that is part of the major.

PSYC: PSYCHOLOGY AND COUNSELING

PSYC 2500 Fundamentals of Psychology 3-0-3

A general survey course designed to introduce the student to fundamental methods and content of contemporary psychology. PSYC 2500 is required of all psychology majors.

PSYC 2500H Honors Fundamentals of Psychology 3-0-3

A general survey course designed to introduce the student to the fundamental methods and content of contemporary psychology. PSYC 2500H substitutes for PSYC 2500.

PSYC 2700 Human Growth and Development 3-0-3

The study of human growth and development across the lifespan, with emphasis on normal growth and milestones achieved in the physical, cognitive, social, and emotional systems. Educational, personal, and familial contexts that influence life satisfaction, mental and physical health are highlighted.

PSYC 3000 Psychology as a Career 1-0-1

Prerequisite: PSYC 2500. Open to all students considering psychology as a major and career. An exploration of psychology as a major and a career.

PSYC 3110 Educational Psychology 3-0-3

Prerequisite: PSYC 2500 or PSYC 2700, and appropriate 2999 course or approval of instructor; Application of psychological principles, theories, and methodologies to issues of teaching and learning in schools. Successful completion of 20 hours of field experience is required.

PSYC 3120 Psychoeducational Aspects of Early Childhood 3-0-3

Prerequisites: PSYC 2500 or PSYC 2700, and ECED 2999 or SPEC 2999, or approval of instructor; ECED 2999 or SPEC 2999. Application of psychological principles, theories, and methodologies to issues of physical, cognitive, affective, and social development of the young child in school settings, especially ages three through eight. Successful completion of 20 hours of field experience is required.

PSYC 3130 Educational Psychology for Teachers of Adults 3-0-3

Prerequisite: Acceptance to the TTIE degree program in the College of Education or approval of instructor. Application of psychological principles, theories, and methodologies to issues of teaching and learning for adults. This course does not substitute for PSYC 3110 or PSYC 3120 in meeting teacher education degree requirements.

PSYC 3200 Child Psychology 3-0-3

Prerequisite: PSYC 2500. A clinical-research approach to understanding the psychological and developmental problems which emerge in the period from conception through adolescence. From a topical perspective, there is focus on pathological conditions which contribute to adjustment, learning and health problems.

- PSYC 3210 Adolescent and Young Adult Psychology** 3-0-3
Prerequisite: PSYC 2500. The course focuses on normative development from pubescence through young adulthood. Emphasis is placed on theory, research, and implications of achievements of this period, such as establishment of identity and independence, and how family, peers, schools, media and community may impact development. Topics include the implications of risk factors to developmental outcomes of individuals of these ages.
- PSYC 3220 Adult Psychology and Gerontology** 3-0-3
Prerequisite: PSYC 2500. The course focuses on development from early adulthood through late old age for changes in biological, cognitive, social, and personality domains. Emphasis is placed on normative aging processes and issues in successful aging. Topics include issues in marriage, career, parenting, retirement, physical and mental health, and transitioning into new roles.
- PSYC 3300 Applied Behavior Analysis I** 3-0-3
Prerequisite: PSYC 2500. Concepts and methods of behavior analysis and social learning. Emphasis is on the procedures associated with respondent and operant conditioning. A field-based behavior modification experiment is required of all students.
- PSYC 3400 Abnormal Psychology** 3-0-3
Prerequisite: PSYC 2500. The nature and etiology of the various forms of behavior disorder, mental deficiency, and other deviations.
- PSYC 3450 Theories of Personality** 3-0-3
Prerequisite: PSYC 2500. Introduction to the nature, study, and conceptualization of personality. Historical and contemporary theoretical perspectives of personality will be critically examined, and applications will be discussed.
- PSYC 3500 Statistical Methods in Psychology** 3-0-3
Prerequisites: PSYC 2500 and a grade of “C” or better in MATH 1111, MATH 1112, or MATH 1113. Univariate and bivariate statistical methods for research in the behavioral sciences.
- PSYC 3600 Experimental Psychology** 3-0-3
Prerequisite: PSYC 3500 with grade of “C” or better. An introduction to scientific/experimental research methods used in the study of behavior.
- PSYC 3700 Rehabilitation Psychology** 3-0-3
Prerequisite: PSYC 2500. The course focuses on biological, personality, cognitive, and social effects of disabilities on adult development. Emphasis is placed on sensory and motor disabilities and the roles played by vocational rehabilitation programs, independent living initiatives, and the community integration movement on rehabilitation. Implications of theory, research, and program implementation on rehabilitation outcomes will be made.
- PSYC 3710 Social Psychology** 3-0-3
Prerequisite: PSYC 2500. The study of how one’s thoughts, feelings, and behaviors are influenced by others. Theoretical and practical applications are discussed.
- PSYC 3800 Industrial/Organizational Psychology** 3-0-3
Prerequisite: PSYC 2500. Theory and application of psychological principles to industrial and organizational settings.
- PSYC 3850 Psychology and Law** 3-0-3
Prerequisite: PSYC 2500. An introduction to the intersection between the legal and mental health systems. Emphasis is placed on how psychologists interact with, and operate within, the legal system.
- PSYC 3900 Tests and Measurements** 3-0-3
Prerequisite: PSYC 3500. Principles, techniques, and theory underlying construction and use of tests for educational and psychological measurement.
- PSYC 4000 Cognitive Psychology** 3-0-3
Prerequisite: PSYC 3600. A survey of the cognitive processes, including topics on attention, memory, language, imagery, problem solving, intelligence, and neurocognition. Data collection required.

- PSYC 4050 Psychology of Learning** 3-0-3
Prerequisite: PSYC 3600 with grade of “C” or better. An introduction to the basic principles of human and animal learning, memory, and problem solving.
- PSYC 4100 Physiological Psychology** 3-0-3
Prerequisite: PSYC 3600. An introduction to the structure and function of the human nervous system and its relation to behavior.
- PSYC 4150 Sensation and Perception** 3-0-3
Prerequisite: PSYC 3600. An overview of the physiology of the senses and how sensory information is integrated so perception can occur. Laboratory experiments included.
- PSYC 4300 Behavior Analysis II** 3-0-3
Prerequisite: PSYC 3300 and PSYC 3600. The concepts, methods, and procedures of behavior analysis are examined in terms of how they are used in typical populations and problems in clinical, educational, home, business/industrial and other settings. A field placement behavior modification intervention is required of all students.
- PSYC 4500 Special Topics in Psychology** 1-0-1 to 3-0-3
Prerequisite: PSYC 3600 and Senior Standing. Issues of topical importance in psychology are explored. May be repeated for a maximum of 3 hours credit in the major.
- PSYC 4800 Introduction to Clinical Practices** 3-0-3
Prerequisite: PSYC 3400 and either PSYC 3600 or PSYC 3900. An overview of the clinical activities involved in the provision of mental health services. Diagnostic and therapeutic practices are presented along with current clinical issues.
- PSYC 4850 Directed Study in Psychology** 3-0-3
Prerequisite: Approval of instructor and Head of the Department. Individualized study of an existing course not offered during the particular semester needed.
- PSYC 4870 Workshop in Applied Psychology** 1-0-1 to 3-0-3
Prerequisite: Approval of advisor and Head of the Department. An intensive study of a topic relevant to applied psychology services provision. May be repeated for a maximum of 6 hours credit.
- PSYC 4900 History of Psychology** 3-0-3
Prerequisites: Senior Standing and PSYC 3600. Traces the origins of psychology from philosophy and physiology and its development into the science psychology is today.
- PSYC 4950 Senior Seminar** 3-0-3
Prerequisites: Senior Standing and PSYC 3600. Students will explore the diverse career options, debate various controversial issues, and discuss other select topics of current concern in the field of psychology.
- PSYC 4991, PSYC 4992, PSYC 4993 Senior Thesis I, II, III** 1-0-1 each
Prerequisites: “B” or better in PSYC 3500 and PSYC 3600, consent of instructor and junior standing. A multi-semester course during which the student will develop, conduct, and write up a novel psychological study.

READ: READING EDUCATION

- READ 0099** See the Learning Support section at the end of the list of course offerings.
- READ 3200 Integrating Literature and the Fine Arts in the Teaching of Reading** 3-0-3
Prerequisite: ECED 2999 or SPEC 2999. An integrated approach to the teaching of reading that incorporates aesthetic appreciation and creative expression. Emphasis is placed on methods for using children’s literature and the fine arts to develop life long readers.

- READ 3500 Teaching Children to Read in the Primary Grades** 3-0-3
Prerequisites: ECED 2999 or SPEC 2999. **This a check-point course, and check-point requirements must be met.** An introduction to methods of teaching young children to read with an emphasis on balanced reading instruction. Major topics include building a literacy foundation, phonic and contextual analysis, comprehension instruction, and guided reading instruction.
- READ 4030 Directed Study in Reading** 3-0-3
Prerequisite: Consent of the Department Head. An opportunity for intensive individual study in the student's field of specialization
- READ 4100 Assessment and Correction of Reading Difficulties** 2-0-2
Prerequisites: READ 3500. Emphasizes diagnostic and assessment strategies for corrective instruction with young children experiencing moderate difficulty in learning to read. Includes causes of reading disability, methods of diagnosis, and procedures for group and individual remedial work.
- READ 4200 Reading and Writing to Learn in the Intermediate Grades** 3-0-3
Prerequisite: READ 3500. Teaching strategies for comprehending and composing expository text. Emphasis is placed on teaching reading and writing across the content areas in grades 3-5. Motivating students to read and write; developing vocabulary, comprehension strategies, higher level thinking, and study skills; and utilizing technology will be addressed in relation to reading and writing expository text.
- READ 4530 Teaching Reading to Children With Exceptionalities (Special Education)** 3-0-3
An introduction to the methods and materials for teaching reading to exceptional children within a balanced approach to reading instruction. Topics covered will include building a literacy foundation, developing word identification skills, and developing vocabulary and comprehension. This course is for special education teachers.
- READ 4550 Reading in the Content Areas (Middle and Secondary Education)** 3-0-3
The simultaneous teaching of reading skills and course content. Emphasis is placed on preparing students for content area reading assignments, providing support during reading, and promoting higher level thinking. Motivating students to read widely and developing vocabulary, reading comprehension, and study skills will be dealt with in relation to the content areas.

REL: RELIGIOUS STUDIES

- REL 2020 World Religions** 3-0-3
A study of the major religious traditions in their historical and cultural contexts. Concepts of the Holy, sacred stories, rituals, symbols, ethical codes, and sacred communities are examined in pre-literate cultures, Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam.
- REL 2020H Honors World Religions** 3-0-3
An enriched study of the major religious traditions in their historical and cultural contexts. Concepts of the Holy, sacred stories, rituals, symbols, ethical codes, and sacred communities are examined in pre-literate cultures, Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. A research component is selected from a variety of options relevant to the world's religions.
- REL 3200 Religion, Culture, and Morality** 3-0-3
Prerequisite: REL 2020 or permission of the instructor. A study of how distinctive religious and cultural traditions address issues of sexuality, family, war and peace, gender roles, criminal justice, public policy, and other important moral issues.

- REL 3210 Religion, Violence, and Nonviolence** 3-0-3
Prerequisite: REL 2020 or permission of the instructor. A study of the disturbing alliance between religion and violence and the hopeful alliance between religion and peace in a variety of religious traditions and social contexts. The course will involve historical, cultural, textual, and comparative analysis.
- REL 3220 Religious Pluralism and Dialogue** 3-0-3
Prerequisite: REL 2020 or permission of the instructor. A study of the historical, cultural, philosophical, and theological themes, issues, and beliefs involved in religious pluralism and in respectful dialogue among the major world religions.
- REL 3270 The Human Quest for Faith and Values** 3-0-3
 A study of the human phenomenon of faith and the quest for values. This course examines the proposition that faith is a human universal—that all persons have some way of making meaning and choosing values. Emphasis is given to categories of faith and human development in interaction with human situations as portrayed in novels, films, and historical documents.
- REL 3300 Philosophy of Religion** 3-0-3
Also offered as PHIL 3300. The study of basic problems of religious belief and critical analysis of proposed solutions to these problems.
- REL 3330 New Testament** 3-0-3
 A general academic introduction to the history, thought and literature of the New Testament, and to some of the major problems addressed in the area of New Testament Studies.
- REL 3340 Old Testament/Hebrew Bible** 3-0-3
 A presentation of the principal characters, events, social structures and theological perspectives reflected in texts of the Hebrew Bible. Old Testament/Hebrew Bible introduces methods and interpretive frameworks shaped by current biblical scholarship.
- REL 3350 Religious Autobiography** 3-0-3
Prerequisite: REL 2020 or permission of the instructor. A study of the world's diverse religious traditions using the autobiographical writings of influential practitioners who embody religious performance through daily example.
- REL 3360 Reading Sacred Texts: Hebrew Bible** 3-0-3
 An advanced reading of the Hebrew Bible, utilizing recent methods and interpretative frameworks found in current scholarship. Emphasis is given to historical, literary, and cultural approaches to major texts.
- REL 3370 Religious Thought** 3-0-3
 An examination of major theological/religious themes derived from both the Western and Eastern traditions. Information regarding the focus for a given quarter will be available through the religion faculty of the Department of Philosophy.
- REL 3400 Existentialism** 3-0-3
Also offered as PHIL 3400. The study of some of the principal existentialist thinkers such as Kierkegaard, Nietzsche, Sartre, Heidegger, Simone de Beauvoir, Camus, Buber, and Jaspers.
- REL 3501 History of Christianity I** 3-0-3
Prerequisite: REL 3330 or permission of the instructor. The history of Christianity in the ancient world from the Apostolic Age to the Council of Nicaea. The course introduces the sacred texts, traditions, and powerful men and women who shaped and defined early Christianity.
- REL 3502 History of Christianity II** 3-0-3
Prerequisite: REL 3330 or permission of the instructor. The history of Christianity from the Council of Chalcedon through the Reformations. The course introduces the sacred texts, traditions, and powerful men and women who shaped and defined Christianity in this period.

- REL 3503 History of Christianity III** 3-0-3
From the Early Modern Period to the present. The course examines Christianity's responses and resistances to major shifts in social organizations and societal structures, as reflected in theology, doctrine, denominationalism, social activism, spirituality, and religious communities.
- REL 3504 The Archaeology of Ancient Israel** 3-0-3
A study of archaeology of ancient Israel within the cultural context of the Near East. The course will examine the history, culture, and religion of the relevant eras from the Neolithic Period to the Roman Era. Emphasis will be given to the origins of Israel in the Late Bronze and Iron Ages, to the growth and development of the Israelite state, and to the origin and growth of early Christianity.
- REL 3510 Judaism** 3-0-3
An inquiry that examines historical and cultural implications of the Diaspora from the post-Biblical period in Judaism to the present. The course addresses sacred texts, significant figures, and the influence of social and political change on the integrity and perseverance of this tradition.
- REL 3520 Islam** 3-0-3
An introduction to Islam from its inception in the 7th century to the present. This inquiry examines historical and social dimensions of Islam in several geographic and cultural contexts, including major contributions to western civilization. The study of principal figures, sacred texts, and traditions will familiarize students with the basic features of this world religion.
- REL 3530 Christian Ethics** 3-0-3
Also offered as PHIL 3530. Classical and contemporary sources, methods, and norms evident in a variety of approaches to Christian ethics such as Biblical ethics, feminist ethics, Catholic and Protestant social teachings, and liberation theology. The course applies the social teachings of Christian traditions to relevant issues in social ethics today.
- REL 3600 Women and Religion** 3-0-3
An introduction to historical, theological, spiritual, and liturgical dimensions of women's experience within religious traditions. Research opportunities increase students' awareness of the implication of gender as an interpretive category in religion.
- REL 3700 Buddhism** 3-0-3
Also offered as PHIL 3700. An exploration of major historical, cultural, and philosophical developments of the Buddhist tradition from its inception in the 5th century B.C.E. in India to its flourishing in modern times. Buddhist teachings, texts, and practices in Theravada, Mahayana, and Zen contexts are examined.
- REL 3710 Hinduism** 3-0-3
Also offered as PHIL 3710. An exploration of major historical, cultural, and philosophical developments of the Hindu tradition from its inception in 2300 B.C.E. in India to its flourishing in modern times. Hindu teachings, texts, cosmology, ritual, symbolic expression, and ethical practices will be explored.
- REL 4700 Topics in Religious Studies** 1-0-1 to 3-0-3
A forum for dialogue and discourse on a variety of timely issues in Religious Studies. Reflects interests and concern of faculty and students by addressing particular subjects that relate the nexus of religion and human experience.
- REL 4710 Directed Study in Religious Studies** 1-0-1 to 3-0-3
An individual study of a special area of religious studies under supervision of instructor.
- REL 4920 Senior Capstone Course** 3-0-3
A capstone course for senior students in the Department of Philosophy who are taking the Religious Studies Track. It includes individual research on selected themes, presented by students to their peers and to the philosophy and religious studies faculty.

RGTE and RGTR: REGENTS' TESTING PROGRAM

RGTE and RGTR courses: See the Learning Support section at the end of the list of course offerings.

RUSS: RUSSIAN

RUSS 1001 Beginning Russian Language and Introduction to Russian Culture I 3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. RUSS 1001 is not open for credit to students with two or more years of high school Russian or the equivalent.

RUSS 1002 Beginning Russian Language and Introduction to Russian Culture II 3-0-3

Prerequisite: RUSS 1001 or the equivalent. A continuation of RUSS 1001, with emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

RUSS 1111 Intensive Russian Language and Culture 3-0-3

Prerequisite: Two or more years of high school Russian or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. RUSS 1111 is a one-semester combination of RUSS 1001 and RUSS 1002. The course is designed for those students not fully prepared for the 1002 level. RUSS 1111 reviews the concepts presented in RUSS 1001 and advances the student through the material of RUSS 1002.

RUSS 2001 Intermediate Russian Language and Russian Culture I 3-0-3

Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

RUSS 2002 Intermediate Russian Language and Russian Culture II 3-0-3

Prerequisite: RUSS 2001 or the equivalent. A continuation of Russian 2001, with emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching for Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.

SCI: SCIENCE FOR EDUCATION MAJORS

- SCI 3000 Science for Early Childhood Education Teachers** 2-2-3
Prerequisite: ECED 2999 or SPEC 2000. Basic information about biology, chemistry, and the physical sciences including astronomy, geology, and physics for early childhood education majors. The course will provide an integrated view of the role of the biological, chemical and physical sciences in understanding the natural world. Coordinated laboratory activities will be an integral part of the course.
- SCI 3101 Matter and Energy for Middle Grades Education** 3-2-4
Pre- or Co-requisite: MATH 3180. A study of matter and energy, concentrating on the properties and phases of matter, motion, forces, and exchange of energy. Students will gain a conceptual understanding of Newton's laws, electricity and magnetism, the structure of the atom, and chemical bonding and reactions. Interactive demonstration and laboratory experiments will illustrate important concepts.
- SCI 3102 Earth and Space Science for Middle Grades Education** 3-2-4
Prerequisite: SCI 3101. An integrated overview of earth and space science for MGE majors with a concentration in science. Topics include plate tectonics, Earth materials and resources, Earth history, weather and climate, oceanography, global cycles, the solar system, origin and evolution of stars, and cosmology.
- SCI 3103 Natural History for Middle School Teachers** 3-2-4
Prerequisite: BIOL 1030, BIOL 1040, SCI 3102, or consent of the instructor. Survey primarily of the biota of south Georgia and associated biological processes. Using the biota of south Georgia as a model, students will study basic ecological principles, population structure and dynamics, life history patterns, and reproductive strategies and behaviors common to living systems. Special topics covered in the course include the biology of rare and endangered species and the importance of biological resources to human society.

SEEC: SPECIAL EDUCATION/EARLY CHILDHOOD

- SEEC 3190 Early Childhood Inclusive Practicum: Prekindergarten-Kindergarten** 0-4-1
Prerequisites: SPEC 2999. Supervised classroom experiences in inclusive prekindergarten-kindergarten classrooms. Students work under the supervision of mentor teachers and university supervisors for a minimum of four hours per week. Emphasis is on including students with disabilities in the general education classroom environment.
- SEEC 3300 Teaching Concepts and Content to All Young Children** 2-0-2
Prerequisites: SPEC 2999. Fundamentals of teaching across all content and subject matter will be explored, including models of teaching.
- SEEC 3400 Classroom Management in Inclusive Early Childhood Education** 3-0-3
Prerequisites: SPEC 2999. Fundamentals of creating an elementary classroom environment that is conducive to learning. The course will focus on individual and group management strategies which facilitate inclusion of students with disabilities in elementary classrooms.
- SEEC 3410 Individual and Group Planning and Curriculum in Early Childhood** 3-0-3
Prerequisites: SPEC 2999. Fundamentals of planning for instruction of individuals and groups will be explored, including lesson/unit design. Collaborative development of the Individual Education Plan will also be addressed.
- SEEC 3690 Early Childhood Inclusive Practicum: Grades K-3** 0-4-1
Prerequisites: SPEC 2999. Supervised classroom experiences in inclusive kindergarten through third grade classrooms. Students work under the supervision of mentor teachers and university supervisors for a minimum of four hours per week. Emphasis will be on including students with disabilities in the general education classroom environment.

- SEEC 4140 Practicum in Mild Disabilities** 0-4-1
Prerequisite: SPEC 2999. Supervised classroom experiences in a school setting where individuals with mild disabilities are receiving services. Students will work under the supervision of mentor teachers and university supervisors for a minimum of four hours per week. Emphasis will be on providing direct instruction to students with mild disabilities and application of content of SPEC 4110 with students of school age.
- SEEC 4180 Language Development and Disability** 3-0-3
Prerequisite: SPEC 2999. The study of the foundation and sequence of language and communication development, characteristics of language and communication disorders and differences, and selected intervention strategies for children birth through age eight.
- SEEC 4690 Early Childhood Inclusive Practicum: Grades 3-5** 0-4-1
Prerequisite: SPEC 2999. Supervised classroom experiences in inclusive third through fifth grade classrooms. Students work under the supervision of mentor teachers and university supervisors for a minimum of four hours per week. Emphasis will be on including students with disabilities in the general education classroom environment.

SEED: SECONDARY EDUCATION

- SEED 2999 Entry to the Education Profession** 0 hours credit
Graded “Satisfactory” or “Unsatisfactory.” A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an “Unsatisfactory” grade is earned, the course must be repeated until a “Satisfactory” grade is received.
- SEED 3000 Issues and Trends In Secondary Education** 3-0-3
Prerequisites: SEED 2999. This a check-point course, and check-point requirements must be met. An advanced study of contemporary practices and problems in grades 6-12, with an emphasis placed on philosophy, multiculturalism, reflective practices, and management of time, resources, and students. Successful completion of a 40-hour middle school field experience is required.
- SEED 4010 Integrating Technology in Secondary Education** 0-2-1
Prerequisites: ACED 2400 and either FLED 3500 or SEED 3000; FLED 2999 or SEED 2999. Focus on advancing a learner’s systematic, progressive migration to a student-centered, technology-empowered class. The central theme is integrating technology into the curriculum.
- SEED 4100 Curriculum and Methods For Teaching Secondary English** 3-0-3
Prerequisites: SEED 2999, PSYC 3110, and SEED 3000. Synthesis of all previous education courses. Students are required to develop inquiry-based, problem-centered, developmentally appropriate, interdisciplinary curriculum and activities that incorporate technology and authentic assessment strategies. The course also includes the study of adolescent literature as part of the secondary curriculum. Successful completion of a 40-hour secondary school field experience is required.
- SEED 4200 Curriculum and Methods For Teaching Secondary Mathematics** 3-0-3
Prerequisites: SEED 2999, PSYC 3110, and SEED 3000. Synthesis of all previous education courses. Students are required to develop inquiry-based, problem-centered, developmentally appropriate, interdisciplinary curriculum and activities that incorporate technology and authentic assessment strategies. The course also includes examination and evaluation of the National Council of Teachers of Mathematics Standards. Successful completion of a 40-hour secondary school field experience is required.

- SEED 4300 Curriculum and Methods For Teaching Secondary Science** 3-0-3
Prerequisites: SEED 2999, PSYC 3110, and SEED 3000. Synthesis of all previous education courses. Students are required to develop inquiry-based, problem-centered, developmentally appropriate, interdisciplinary curriculum and activities that incorporate technology and authentic assessment strategies. Successful completion of a 40-hour secondary school field experience is required.
- SEED 4400 Curriculum And Methods For Teaching Secondary Social Studies** 3-0-3
Prerequisites: SEED 2999, PSYC 3110, and SEED 3000. Synthesis of all previous education courses. Students are required to develop inquiry-based, problem-centered, developmentally appropriate, interdisciplinary curriculum and activities that incorporate technology and authentic assessment strategies. Successful completion of a 40-hour secondary school field experience is required.
- SEED 4620 Linking Classrooms with Careers** 0-2-1
Prerequisites: SEED 2999, SEED 3000, and senior standing. Successful completion of an 80-hour field experience that emphasizes educational applications and connections between businesses/industries and schools.
- SEED 4790 Student Teaching** 10 hours credit
Prerequisites: SEED 2999, and completion of all requirements to student teach as listed in the University's undergraduate catalog. Co-requisite: SEED 4800.
- SEED 4800 Professional Practices Seminar** 2-0-2
Prerequisite: SEED 2999. Co-requisite: SEED 4790.
- SEED 4900 Special Topics in Secondary Education** 1-0-1 to 3-0-3
Prerequisites: Senior Standing and a 3.0 GPA. An opportunity for intensive individual study in a student's field of specialization.

SOCI: SOCIOLOGY

- SOCI 1101 Introduction to Sociology** 3-0-3
Fundamentals of sociology, focusing on basic concepts, theories, and methods of research and inquiry. Emphasis is on applying the sociological perspective to understanding social inequalities and social stratification, culture, social institutions and groups, social change, and the relation of the individual to society.
- SOCI 1101H Introduction to Sociology, Honors** 3-0-3
Fundamentals of sociology, at the honors level, focusing on basic concepts, theories, and methods of research and inquiry. Emphasis is on applying the sociological perspective to understanding social inequalities and social stratification, culture, social institutions and groups, social change, and the relation of the individual to society.
- SOCI 1160 Introduction to Social Problems** 3-0-3
An analysis of major national and international social problems, using the sociological perspective. Sociological principles, theories, and methods will be used in data interpretation, analysis of ideologies, and evaluation of social policy.
- SOCI 3000 Sociological Analysis and Statistical Applications** 3-2-4
Prerequisites: ANTH 1102, SOCI 1101, and SOCI 1160. An introduction to the foundations of sociology and anthropology as well as basic statistical analysis. The course will examine social scientific research design including conceptualization, operationalization, problem definition, database management, and sampling. Data analysis will include descriptive, inferential, and multivariate statistics and use data analysis software. Computer laboratory periods required.
- SOCI 3060 Race and Ethnic Relations** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. An introduction to the sociology of race and ethnic relations. A study of systems of social inequalities based upon race and ethnic divisions in society. Case studies including African-American and international ethnic conflicts are explored.

- SOCI 3090 Mass Media and Popular Culture** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. A sociological analysis of the impact of mass media and popular culture on individuals and groups in such areas as violence, consumerism, political participation, social deviation, and interpersonal communication.
- SOCI 3150 Sociology of Religion** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. The study of religion as one of the basic institutions in society. The course will cover the functions of religion within society; problems and conflicts within religion, such as racism and sexism; and how religion is expressed by persons in a variety of groups and cultures.
- SOCI 3190 Clinical Sociology** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Introduces students to the skills needed for direct work with clients, such as effective engagement, active listening, interviewing, assessment and goal setting, and ethical concerns. Focus is placed on the whole person and the sociological model of assessment.
- SOCI 3200 Applied Sociology** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. An analysis of the approaches and techniques used by sociologists and human service workers in applied/clinical settings. Emphasis on sociological principles and their application in the diagnosis and treatment of individuals and groups. Applied/clinical sociology as a profession as well as ethical issues will also be addressed.
- SOCI 3350 Social Deviance** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. A study of the nature and dimension of deviance in society, with special emphasis on the problems of definition, identification, explanation, and social reaction. Specific forms of deviance, including the construction of deviant identities and deviant careers, will be discussed.
- SOCI 3500 Sociological Theory** 3-0-3
Prerequisites: SOCI 3000. An essentially historical survey of the development of sociological theory. Strategies of theory building and conducting research will also be considered. Students will develop a competent review of literature in an area of sociology.
- SOCI 3510 Research Methods** 3-0-3
Prerequisites: SOCI 3000. An introduction to social research techniques with an emphasis on firsthand data collection. Project work introduces students to issues in research design, ethical concerns, conceptualization, sampling, data analysis, interpretation of research results, report writing, and application of research findings. Will be taught in electronic classrooms, as facility availability permits.
- SOCI 3650 Sociology of Sport** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. The study and analysis of the spectacle, business, and power of sport in society. Coursework examines both the socially integrative and disintegrative aspects of sport as an institution. Includes international analyses and multicultural examples.
- SOCI 3710 Social Psychology** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. A sociological analysis of the relationship between social situational influences and individual behavior. Survey of social psychological theories as they relate to social perception, attitudes and behaviors, group productivity, prejudice, and socialization.
- SOCI 3750 Medical Sociology** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. An analysis of the social processes affecting conditions of health and disease and the cluster of social relationships and organizations that comprise the institution of medicine. Emphasis on social and cultural factors which influence definitions of health and illness, causes, preventions, and treatments, cross cultural comparisons, stress, delivery of health care, and health care professionals.

- SOCI 3800 Social Stratification** 3-0-3
Prerequisite: SOCI 1101 or SOCI 1160 or permission of instructor. A study of systems of stratification, including race, class, and gender. Course includes exploration of research, concepts, and theories in the study of social class, race, and gender and the effect these systems have on power, life chances, and social mobility in our society. A primary focus of the course is the explanation of social inequality.
- SOCI 4100 Family Sociology** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. An analysis of the institution of family in contemporary society. Emphasis is on understanding the historical development of current family systems; a sociological analysis of family dynamics; the interaction between family and other institutions; the connection between family and systems of social class, race, and gender; and current family problems and issues.
- SOCI 4200 Organizations and Work** 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Sociological study of the nature of work within formal and informal organizations. Course includes a study of the relationship between occupations and careers, the social organization of work in bureaucracy, Voluntary organizations, theory and concepts associated with the study of organizations, and individual strategies for career entry.
- SOCI 4540 Internship in Sociology** 3 to 9 credit hours
Prerequisites: Permission of advisor and Internship Coordinator. An application for Internship must be completed by midterm of the semester before enrollment. Graded "Satisfactory" or "Unsatisfactory." Supervised, practical experience in an appropriate community agency; an opportunity for students of demonstrated maturity and judgment to discover the integration between theory and practice and make applications.
- SOCI 4550 Poverty and Social Welfare** 3-0-3
Prerequisite: SOCI 1101 or SOCI 1160 or permission of instructor. An examination of the history, causes, and consequences of poverty in the US. Also discussed will be the history, philosophy, policies, programs, concepts, and practices in the field of social welfare.
- SOCI 4680 Sociology of Gender** 3-0-3
Prerequisite: SOCI 1101 or SOCI 1160 or permission of instructor. A micro and macro analysis of the social construction of gender and its resulting inequalities in the major areas of contemporary society, including the economic, family, and political institutions.
- SOCI 4800 Issues in Sociological Practice** 3-0-3
Prerequisite: SOCI 1101 or SOCI 1160. The application of sociological knowledge to specific topics within sociological practice. These will include but are not limited to the following: domestic violence, rural sociology, environmental sociology, family stress and trauma, and drug use and drug policy. May be taken concurrently with SOCI 4810. May be repeated for credit with different topics.
- SOCI 4810 Issues in Sociological Practice** 3-0-3
Prerequisite: SOCI 1101 or SOCI 1160. The application of sociological knowledge to specific topics within sociological practice. These will include but are not limited to the following: social gerontology, child welfare, mental health and substance abuse, community development, and nonprofit organizations. May be taken concurrently with SOCI 4800. May be repeated for credit with different topics.
- SOCI 4900 Special Topics in Sociology** 1-0-1 to 3-0-3
Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Topics vary. Designed to provide an intensive study in a current topic relevant to sociology. May be repeated for credit.

SOCI 4980 Directed Topics in Sociology 1-0-1 to 3-0-3

Prerequisites: SOCI 1101 or SOCI 1160 or permission of instructor. Study in an area or subject not normally found in established courses offered by the department; may also allow the student to explore in more detail a topic which is normally covered by the department. May be repeated for credit

SOCI 4990 Senior Capstone 3-0-3

Prerequisites: Successful completion of SOCI 3000, the Foundation courses, and a minimum of 6 hours of departmental concentration courses. An Application for Capstone must be completed by midterm of the semester before enrollment. Summative end of program. Designed to enhance the student's undergraduate sociological or anthropological studies through involvement in guided research or field experience. Students will be required to write and present a senior paper.

SPAN: SPANISH

SPAN 1001 Beginning Spanish Language and Introduction to Hispanic Cultures, I 3-0-3

Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. SPAN 1001 is not open for credit to students with two or more years of high school Spanish or the equivalent.

SPAN 1002 Beginning Spanish Language and Introduction to Hispanic Cultures, II 3-0-3

Prerequisite: SPAN 1001 or the equivalent. A continuation of SPAN 1001, with emphasis on proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions.

SPAN 1111 Intensive Spanish Language and Hispanic Cultures 3-0-3

Prerequisite: Two or more years of high school Spanish or the equivalent. Emphasis on the development of proficiency and communicative competence at the novice level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness of various sociocultural aspects and the distinctiveness of certain cultural traditions. SPAN 1111 is a one-semester combination of SPAN 1001 and SPAN 1002. This course is designed for those students not fully prepared for the 1002 level. SPAN 1111 reviews the concepts presented in SPAN 1001 and advances the student through the material of SPAN 1002.

SPAN 2001 Intermediate Spanish Language and Hispanic Cultures I 3-0-3

Prerequisite: SPAN 1002 or the equivalent. Emphasis on the development of proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

SPAN 2002 Intermediate Spanish Language and Hispanic Cultures II 3-0-3

Prerequisite: SPAN 2001 or the equivalent. A continuation of SPAN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Awareness and understanding of various sociocultural aspects and the distinctiveness of certain cultural traditions.

- SPAN 2002H Honors Intermediate Spanish Language and Hispanic Cultures** 3-0-3
Prerequisite: SPAN 2001 or the equivalent. A continuation of SPAN 2001, with emphasis on proficiency and communicative competence at the intermediate level in the four basic skills: speaking, listening, reading, and writing, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines. Students will view and discuss films from various Spanish-speaking countries; they will read and discuss current issues from Internet news sources (newspapers and magazines from different countries) as well as literary selections representative of the Hispanic cultures, including the Hispanic population of the United States; they will also participate in discussions on a variety of topics with guest speakers from various Hispanic cultures.
- SPAN 2010 Intermediate Grammar** 3-0-3
Prerequisites or corequisites: SPAN 2002 and SPAN 2011. A study of selected lexical items and grammatical structures and concepts of the Spanish language. The course serves as an introduction to the major in Spanish.
- SPAN 2011 Intermediate Conversation** 1-0-1
Prerequisites or corequisites: SPAN 2002 and SPAN 2010. A course in conversational Spanish with emphasis on increasing the speaking performance level of students and preparing them to take the assessment interview, the Oral Proficiency Interview, as a requirement for entry into the major. Students may repeat SPAN 2011 for elective credit without enrolling in SPAN 2010. SPAN 2011 may be repeated to a maximum of 3 hours credit.
- SPAN 3010 Conversation and Composition** 3-0-3
Prerequisite: SPAN 2002 or consent of the instructor. Thematic approach to the study of speaking and writing, focusing on the development of the student's proficiency in spoken and written Spanish. Conversations will be based on communicative situations which the student would encounter in the Spanish-speaking world. Written activities will enable the student to react to typical exchanges which require written responses.
- SPAN 3150 Civilization and Culture of Spain** 3-0-3
Prerequisite: SPAN 2002 or consent of the instructor. Study of the religious, philosophical, geographical, historical, sociopolitical, and economic beliefs that form the identity of Spain. Emphasis will be placed on the development of the modern nation, the significance of the Golden Age in Spain's history, and the major events of the twentieth-century. The works of representative artists, composers, and writers from the various historical periods will be studied.
- SPAN 3160 Civilization and Culture of Latin America** 3-0-3
Prerequisite: SPAN 2002 or consent of the instructor. Study of the religious, philosophical, geographical, historical, sociopolitical, and economic beliefs that form the identity of Latin America. Emphasis will be placed on pre-Columbian societies, Discovery and Conquest, Revolutions and Dictatorships, and Contemporary Latin America.
- SPAN 3200 Introduction to Hispanic Literature** 3-0-3
Prerequisite: SPAN 2002 or consent of the instructor. Introduction to major representative literary works and some non-canonical texts of Spain and Latin America. The acquisition of critical and organizational skills in reading and their application to Hispanic texts will be emphasized.
- SPAN 3250 Survey of Peninsular Literature** 3-0-3
Prerequisite: SPAN 3200 or consent of the instructor. Study of representative literary texts from the Middle Ages to the present within their historical context. The development of poetry, drama, and narrative prose will be emphasized.

- SPAN 3260 Survey of Latin American Literature I** 3-0-3
Prerequisite: SPAN 3200 or consent of the instructor. Survey of selected essays, poems, short stories, and other literary works from the pre-Columbian Latin American societies, the Colonial Period, the Independence Period, and the Latin American Romantic period.
- SPAN 3270 Survey of Latin American Literature II** 3-0-3
Prerequisite: SPAN 3200 or consent of the instructor. Survey of selected essays, poems, short stories, and other literary works from Modernismo to the end of the twentieth century.
- SPAN 4010 Advanced Grammar** 3-0-3
Prerequisite: SPAN 3010 or consent of the instructor. Advanced study of the structure of the Spanish language, with emphasis on practical composition and refinement of written expression.
- SPAN 4020 Advanced Conversation** 2-0-2
Prerequisite: SPAN 3010 or consent of the instructor. Intensive approach to spoken Spanish at the advanced level, with emphasis on increasing the speaking performance level of students and preparing them to take the exit assessment interview, the Oral Proficiency Interview, at the end of their program of study. SPAN 4020 may be repeated for a maximum of 4 hours credit.
- SPAN 4110 Spanish Phonetics and Phonology** 3-0-3
Prerequisite: SPAN 3010 and LING 4000, or consent of the instructor. Introduction to the phonetics and phonemics of the Spanish sound system, including but not limited to phonological analysis and transcription. Emphasis is placed on the study of those sounds found in the dialects of what has been traditionally labelled American Spanish (Mexico, Central America, and the South American highlands); however, important dialectal variations, such as those found in Caribbean and peninsular Spanish, will also be presented.
- SPAN 4210 Survey of Contemporary Hispanic Theater** 3-0-3
Prerequisite: SPAN 3200 or consent of the instructor. Critical consideration of the major canonical and non-canonical dramatic works in Spain and Latin America from the 1930's to the present. Readings include, from among others, the works of García Lorca, Arlt, Buero Vallejo, Usigli, Villarutia, Marqués, Gambaro, Berman, and Pedrero. Some study of the genre of theater and dramatic movements, such as Theater of the Absurd, will also be included.
- SPAN 4220 Hispanic Women Writers** 3-0-3
Prerequisite: SPAN 3200 or consent of the instructor. Exploration of the way in which Hispanic women writers have created voices and identities through a variety of textual strategies. A study of the development of feminist discourse through these works will also be covered. Readings may include works from Sor Juana Inés de la Cruz, Isabel Allende, Julia de Burgos, Luisa Valenzuela, Angeles Maestretta, Rosario Castellanos, Mercé Rodoreda, Ester Tusquets, Santa Teresa de Avila, Ana María Matute, Carmen Martín Gaité, and Rosa Montero.
- SPAN 4230 Medieval Spanish Literature** 3-0-3
Prerequisite: SPAN 3150 or SPAN 3250 or consent of the instructor. A study of medieval Spanish literature. The course will consider various literary genres such as the lyric, the epic, the romance, as well as prose within an historical and cultural time frame.
- SPAN 4240 Golden Age Spanish Literature** 3-0-3
Prerequisite: SPAN 3150 or SPAN 3250 or consent of the instructor. Study of selected texts, literary movements, and the cultural background of Spanish literature of the Golden Age (Renaissance and Baroque), including selections of poetry, prose, and drama.
- SPAN 4250 Twentieth Century Spanish Literature** 3-0-3
Prerequisite: SPAN 3150 or consent of the instructor. Study of the genres, movements and writers most representative of the literature of Spain during the twentieth century. The course begins with the writers of the Generation of '98, continues with selected works in fiction, drama, and poetry of the years prior to and immediately following the Civil War, and concludes with examples of the literature of Spain in the last decades of the 20th century.

- SPAN 4260 Latin American Prose: Twentieth-Century Novel** 3-0-3
Prerequisite: SPAN 3160 or consent of the instructor. Study of selected Latin American novels which reflect the major trends in the development of the genre during the 20th century.
- SPAN 4270 Latin American Prose: Twentieth-Century Short Story** 3-0-3
Prerequisite: SPAN 3160 or consent of the instructor. Study of selected Latin American short stories which reflect the major trends in the development of the genre during the twentieth century.
- SPAN 4300 Hispanic Caribbean Literature** 3-0-3
Prerequisite: SPAN 3160 or consent of the instructor. Study of the identity of the Hispanic Caribbean, drawing from literary texts of Puerto Rico, the Dominican Republic, and Cuba, in order to develop a greater understanding of the history, economics, sociology, culture, and literature of the region.
- SPAN 4400 Chicano and U.S. Latino Writers** 3-0-3
Prerequisite: SPAN 3160 or consent of the instructor. Study of selected works written by Chicano and U.S. Latino authors that are representative of the bicultural/bilingual culture for which they speak. Emphasis is placed on literary and cultural studies with some study and application of literary criticism.
- SPAN 4900 Special Topics** 3-0-3
Prerequisite: SPAN 3010 or consent of the instructor. Special topics in Spanish language or Hispanic literature, civilization, or culture. May be repeated up to a maximum of 6 hours if topics are different.
- SPAN 4950 Directed Study** 1-0-1 to 3-0-3
Prerequisite: SPAN 3010 and SPAN 3200 or consent of the instructor. Study in an area or topic of Spanish language or Hispanic literature, civilization, or culture not normally found in established courses offered by the department. Students may also study more extensively an area or topic covered by the departmental curriculum. May be repeated up to a maximum of 3 hours if topics are different.
- SPAN 4970 Study Abroad Practicum** 1-0-1
Prerequisite: SPAN 2002 or consent of the instructor. Orientation to the study abroad experience. Pre-departure sessions will focus on preparing the student to achieve the maximum learning potential from his/her stay in the selected site. Assigned readings and videos and regular discussion with the supervising instructor will familiarize the student with significant cultural practices that may differ from those of U.S. society and with geographical and historical features of the region as well as prepare him/her to function in the daily life of the community. A series of activities will be designed for the student to complete during the study abroad stay, and upon his/her return, the student will make at least three presentations related to the study abroad experience to university Spanish classes, elementary, middle or high school classes, or community organizations. The course is a requirement for all Spanish majors and minors who participate in a study abroad program. Credit for the course is in addition to other credit earned through the study abroad program.
- SPAN 4980 Community Practicum** 1-0-1
Graded "Satisfactory" or "Unsatisfactory." Supervised volunteer interpreting or translating activities in community schools, service or law enforcement agencies, or business firms. Students will learn basic interpreting and translating skills before beginning their Practicum activities and will develop specialized vocabulary appropriate to their areas of work. Weekly reports and conferences with the supervising instructor are required. Course will be repeated for credit. Field visits comprise 70% of final grade.
- SPAN 4990 Senior Seminar** 1-0-1
Prerequisite: Senior Standing. Capstone course, focused on selected special topics, designed to help students synthesize their knowledge and reinforce the skills they have acquired as Spanish majors. Required of all Spanish majors.

SPEC: SPECIALEDUCATION

- SPEC 2110 American Sign Language I** 3-0-3
The first in a series of courses based on American Sign Language concepts and principles. This course presents introductory components of ASL, including signs, fingerspelling, mime, body language, and facial expression. Information about the history of sign language and its existence in society today is also included. Skill focus is on recognition and recall of American Sign Language.
- SPEC 2120 American Sign Language II** 3-0-3
Prerequisite: SPEC 2110. The second in a series of courses based on American Sign Language concepts and principles. This course presents additional components of ASL, including signs, fingerspelling, mime, body language, and facial expression. Skill focus is on recognition and recall of American Sign Language with emphasis on increasing speed and fluency.
- SPEC 2999 Entry to the Education Profession** 0 hours credit
Graded “Satisfactory” or “Unsatisfactory.” A required non-credit course for all teacher education candidates pursuing a VSU recommendation for initial certification; must be successfully completed prior to admission to teacher education. Candidates are required to establish an electronic portfolio and provide evidence that all teacher education admission requirements have been satisfactorily met. If an “Unsatisfactory” grade is earned, the course must be repeated until a “Satisfactory” grade is received.
- SPEC 3000 Serving Students with Diverse Needs** 3-0-3
Prerequisite: Appropriate 2999 course. Introduction to major issues in the field of special education. Emphasis is placed on understanding the characteristics and etiologies of individuals with diverse needs and on identifying the qualities of home, school and community environments that support these individuals in achieving their potential. Public school observation/participation in programs for students with disabilities is required.
- SPEC 3020 Applied Behavior Analysis for Teachers** 3-0-3
Prerequisites: SPEC 2999 or COMD 2999. A study of the general principles of applied behavior analysis including the foundations for understanding behavior, increasing appropriate behavior, and managing challenging behaviors across a variety of learning environments with individuals who have disabilities.
- SPEC 3040 Legal and Ethical Issues for Special Educators** 3-0-3
Prerequisites: SPEC 2999. A study of the legal and ethical aspects of special education and services for individuals with disabilities. Topics will include an overview of the U.S. legal system; discrimination, constitutional, statutory, regulatory issues; and case law related to special education.
- SPEC 3050 Educational Evaluation of Students with Diverse Needs** 3-0-3
Prerequisites: SPEC 2999. This a check-point course, and check-point requirements must be met. A study of the process of gathering information regarding individuals’ strengths and needs for educational decision making purposes. Emphasis is placed on assessment strategies necessary for determining and monitoring curricular implementation.
- SPEC 3060 Preparing Families and Students for Transitioning** 3-0-3
Prerequisites: SPEC 2000, SPEC 3020, SPEC 3030. An introductory study of the concept of transition as a life long process with emphasis on how schools can best prepare youth with disabilities for the transition from school to adult life. Content topics include research and legislation related to transition, theoretical perspectives and conceptual models, quality of life, family issues, person-centered planning, self-determination, and major approaches for providing services and supports.
- SPEC 3070 Principles of Effective Instruction** 3-0-3
Prerequisite: SPEC 2999. Study of the general behavioral principles of effective instruction based on models of Direct Instruction and the effective schools literature.

- SPEC 3100 Serving Individuals with Diverse Needs** 3-1-3
 A course for students in programs that do not require admission to teacher education. The course includes an introduction to major issues in the field of special education. Emphasis is placed on understanding the characteristics and etiologies of individuals with diverse needs and on identifying the qualities of home, school, and community environments that support these individuals in achieving their potential. Observation and participation in programs for people with disabilities are required.
- SPEC 3110 Orientation to Deafness** 3-0-3
 An overview of the field of deafness. Topics include psychosocial aspects of deafness, educational settings, modes of communication, technology, vocational opportunities, moral development, and needs of the multi-handicapped deaf and hard-of-hearing population.
- SPEC 3120 Learning, Cognition, and Social Development in Deaf Children** 3-0-3
 An introduction to the study of the growth and development of deaf and hard of hearing children and how being deaf may affect an individual's educational, cognitive, and social development. The focus of this class is toward a general understanding of how being deaf or hard of hearing is influential in shaping the life experiences of individuals. Various perspectives regarding being deaf will be explored and examined in light of general theories of psychological and social development.
- SPEC 3130 Overview of Language Learning in Deaf Children** 3-0-3
 An overview of language development in deaf children from infancy through young adulthood. The course includes an examination of the various theories of language development and assessment instruments used to evaluate this population. Emphasis is placed on interpreter flexibility in using the different modes of communication as they relate to the various stages of language development.
- SPEC 3140 Linguistics of American Sign Language** 3-0-3
Prerequisite: SPEC 3130 or permission of the instructor. An overview of structural linguistics, sociolinguistics, and pragmatics of American Sign Languages (ASL). Linguistic theories will be applied to both spoken English and ASL, with other examples being drawn from various languages. Special attention will be paid to phonological (including the application of phonological rules), morphological, lexical, syntactical, and discourse structures of ASL, as well as language variation and language change.
- SPEC 3160 Curriculum Planning for Students with Disabilities** 3-0-3
Prerequisite: SPEC 2999. A study of the philosophic and practical basis of curriculum design for individuals who require intermittent, limited, extensive or pervasive supports throughout the life cycle. The curricular approach focuses on identifying and determining the skills necessary for individuals with disabilities to function successfully in a variety of environments. Curricular planning that incorporates student access to the general education curriculum is embedded in this course.
- SPEC 3170 American Sign Language III** 3-2-4
Prerequisite: SPEC 2120. The third in a series of courses based on American Sign Language concepts and principles. This course is designed to increase recognition and recall skills in dialogue communication. American Sign Language idioms are also included as well as a deeper understanding of the grammar, syntax, and complexities within the language.
- SPEC 3180 American Sign Language IV** 3-2-4
Prerequisite: SPEC 3170. The fourth in a series of courses based on American Sign Language concepts and principles. This class is an advanced course in American Sign Language for students who have completed previous coursework in ASL. Emphasis is placed on the production of non-voiced, conversational, spontaneous, signed sentences. Continued attention is given to the development of recognition as well as recall skills. Sociolinguistics with specific reference to syntax and the role of non-manual markers and idioms are explored as well as the interplay between language and culture within the deaf community.

- SPEC 3190 Audiological Considerations for Teachers** 4-0-4
Prerequisite: SPEC 2999. An introduction to the types and causes of hearing loss, interpretation of audiograms, and methods and procedures of determining hearing loss as each relates to learning and behavioral characteristics of children and youth with hearing loss.
- SPEC 4000 Individualized/Independent Study** 1-0-1 to 3-0-3
 Study directed by faculty designed to meet identified, individual needs of students.
- SPEC 4010 Individuals with Mental Retardation** 3-0-3
 A study of the historical and legal treatment, identification, classification, and unique characteristics of individuals with mental retardation.
- SPEC 4020 Nature and Characteristics of Children and Youth with Mild Disabilities** 3-0-3
Prerequisite: SPEC 2999. A study of the historical and legal treatment, identification, classification and unique characteristics of individuals who require intermittent and limited supports throughout the life cycle.
- SPEC 4030 Curricular Planning for Individuals with Severe Disabilities** 3-0-3
Prerequisite: SPEC 2999. A study of the philosophic and practical basis of curriculum design for individuals who require extensive and/or pervasive supports throughout the life cycle. This curricular approach results in a meaningful and functional curriculum and supportive learning environments.
- SPEC 4040 Technological Support for Individuals with Disabilities** 3-0-3
Prerequisite: ACED 2400. Uses of the computer hardware and software as they relate to the individualized education program and needs of individuals who require intermittent and/or limited supports.
- SPEC 4050 Manual Communication** 3-0-3
 An introduction to manual communication. Emphasis is placed on skill development in the use of American Sign Language. Open as an elective to all undergraduate majors.
- SPEC 4051 Systematic Instruction I** 3-0-3
Prerequisites: SPEC 2000. A study of procedures necessary to carefully plan and sequence instruction for individuals with mental retardation who require limited, extensive, or pervasive supports throughout the life cycle. Focus is placed on selecting and planning for use of effective intervention strategies and planning the use of appropriate materials.
- SPEC 4052 Systematic Instruction II** 3-0-3
Prerequisite: SPEC 2999 and SPEC 4051. A continuation of SPEC 4051 with an emphasis on delivering and evaluating planned instruction for individuals with mental retardation who require limited, extensive, or pervasive supports throughout the life cycle.
- SPEC 4060 Application of Applied Behavior Analysis Principles to Ecological Management** 2-2-3
Prerequisite: SPEC 2999. An in-depth study of the application of applied behavior analysis with an emphasis on application across a variety of learning environments with individuals who have disabilities.
- SPEC 4070 Systematic Instruction Teaching Lab I** 0-4-2
Prerequisites: SPEC 2999. **Co-requisite:** SPEC 4051. University supervised placement of students in programs for individuals requiring limited, extensive, or pervasive supports throughout the life cycle. Students will apply content acquired in SPEC 4150, and will plan instruction for these individuals.
- SPEC 4080 Teaching Academic and Social Skills to Students with Disabilities** 3-0-3
Prerequisites: SPEC 2999. **Co-requisite:** SPEC 4081. A study of research-based instructional strategies for enhancing the ability of students with mild disabilities to acquire, retain, and demonstrate competence across academic and social content areas as addressed in the general school curriculum in Georgia.

- SPEC 4081 Instructional Practicum** 0-2-1
Prerequisites: SPEC 2999. **Corequisite:** SPEC 4080. Application of direct instructional strategies in a university supervised placement to students with mild disabilities (learning, behavior, and/or intellectual disabilities).
- SPEC 4110 Methods and Materials for Children and Youth with Mild Disabilities** 3-0-3
Prerequisite: SPEC 2999. A study of the application of research validated practices in the areas of educational placement, instructional and transitional planning, data management and materials utilization for students of school age who require intermittent and limited supports beyond those provided by regular education.
- SPEC 4140 Clinical Teaching** 0-2-1
Prerequisite: SPEC 2999. **Co-requisite:** SPEC 4110. A university-supervised experience for the application of the content of SPEC 4110 with students of school age. The university student will be placed by the department for a minimum of four hours per week in a school setting where individuals with mild disabilities are receiving services.
- SPEC 4170 Systematic Instruction Teaching Lab II (Teaching Individuals with Severe Disabilities)** 0-4-2
Prerequisites: SPEC 2999. **Co-requisite:** SPEC 4052. University-supervised placement of students in programs for individuals requiring limited, intermittent, extensive, or pervasive supports throughout the life cycle. Students will apply content acquired in SPEC 4052 and will plan or deliver and evaluate instruction for these individuals.
- SPEC 4180 Language Disabilities and Learning** 2-2-3
Prerequisite: SPEC 2999. The study of the oral and written language, the relationship to learning, and the impact of language learning disabilities for school-age children.

THEA: THEATRE

- THEA 1000 Voice and Diction** 3-0-3
Application of the International Phonetic Alphabet's vowel and consonant symbolization for production of Standard American Speech with emphasis on resonance, breath control, vocal relaxation, and posture using a variety of contemporary approaches to vocal training.
- THEA 1100 Theatre Appreciation** 3-0-3
Survey and appreciation of theatre as a performing art; introduction to and improvement of critical and aesthetic evaluation of theatrical performances, including the contributions of the playwright, the actor, the director, the designer, and the audience member.
- THEA 1710 Improvisation** 0-2-1
Application of the principles of improvisation both as an actor-training approach and as a rehearsal technique.
- THEA 2110 Stage Dialects** 3-0-3
Prerequisite: THEA 1000. An exploration of dialects frequently used in performance, based on an understanding and usage of the International Phonetic Alphabet.
- THEA 2730 Theatrical and Film Makeup** 1-2-2
An introduction to design principles and color theory, with practical experience in makeup mixing, design, and application.
- THEA 2750 Basic Technical Theatre and Stage Lighting** 3-0-3
An introduction to stagecraft and stage lighting, including the tools, materials, equipment, and techniques used for the construction of scenery, properties, and basic lighting for the stage.
- THEA 2800 Fundamentals of Acting** 3-0-3
An introduction to the principles of acting, including proper preparation for acting, physical and vocal control and flexibility, and the analysis and creation of character.

THEA 2810 Basic Stage Movement	1-2-2
The principles of physicalizing characters through movement, by developing a kinesthetic awareness and an understanding of gesture, bodily expression, and basic unarmed combat.	
THEA 2830 Armed Stage Combat	0-2-1
An introduction to the use of weapons on the stage, including swords, knives, and guns, as well as their application in stage violence and fight choreography.	
THEA 2840 Stage Management	2-0-2
An introduction to the principles and practices of stage management; an investigation into the role of the stage manager in theatre production.	
THEA 3020 Theatre Voice	0-1-1
Private instruction in musical theatre vocal techniques. May be repeated for credit.	
THEA 3021 Sight Singing and Aural Training in Musical Theatre	0-2-1
Prerequisite: MUSC 1000. Skills development in sight singing and aural training in relation to musical theatre.	
THEA 3090 VSU Interpreters	0-2-1
Performance-based activities in Oral Interpretation emphasizing group performance; choral and solo readings. Membership open to all VSU undergraduate students. May be repeated for credit.	
THEA 3100 Directed Study	3 to 9 hours credit
Individual instruction for enrichment of advanced majors in their areas of specialization.	
THEA 3200 Audition Techniques	0-2-1
Prerequisite: THEA 2800 or approval of the instructor. Theory, technique, and application of auditions skills for the performer.	
THEA 3500 African American Theatre	3-0-3
A survey of African American theatre from the diaspora to the present.	
THEA 3700 Play Analysis for Production	3-0-3
An overview of the major genres of dramatic literature with an emphasis on the impact of critical evaluation on the work of the director, the actor, and the designer.	
THEA 3710 Theatre Performance	1 hour credit
Application of performance techniques in approved VSU theatrical productions. Selection by audition or approval of the instructor. May be repeated for credit.	
THEA 3720 Theatre Production	1 hour credit
Directed experience in technical theatre. Students will participate in the building of scenery or costumes or the hanging of lights for theatre productions. Course may be repeated for credit.	
THEA 3730 Theatre Management Practicum	0-2-1
Prerequisite: Permission of instructor. Directed experiences in theatre management. Students will participate in box office operations and generate publicity documents and playbills. The course may be repeated for credit.	
THEA 3740 Theatre Management	3-0-3
An investigation of current approaches to theatrical production including budget preparation, financial management, audience engineering, and promotional techniques used in American commercial, nonprofit professional, educational, and community theatres.	
THEA 3750 Costume History	3-0-3
A survey of costume from ancient Greek to modern times, with emphasis on historically significant theatrical periods.	
THEA 3760 Lighting Design	3-0-3
Prerequisite: THEA 2750 or permission of the instructor. A study of lighting design in theatrical productions, including the use of color, composition, and instrumentation.	

- THEA 3770 Costume Design** 3-0-3
Prerequisite: THEA 3750. An introduction to the principles and elements of design and their relation to stage costume. The student will learn how to communicate design choices both visually and verbally.
- THEA 3780 Scene Design** 3-0-3
Prerequisite: THEA 2750. A study of scenic design through an exploration of design principles, art media, and skills necessary for communicating ideas and solutions with theatre artists.
- THEA 3800 Scene Study** 3-0-3
Prerequisite: THEA 2800 or approval of department head. The advanced study of scene analysis, rehearsal techniques and audition preparation using material primarily from the Modern Theatre repertory with application of the study in performance situations.
- THEA 3880 Theatre History I** 3-0-3
Prerequisite: Completion of Area F or approval of department head. The study of the development of theatre from its origins up to the 18th century with emphasis on dramatic theory, playwriting styles, theatrical production styles, physical theatres, and the impact of theatre on society.
- THEA 3890 Theatre History II** 3-0-3
Prerequisite: Completion of Area F or approval of department head. The study of the development of theatre from the 18th century to the present with emphasis on dramatic theory, play writing styles, theatrical production styles, physical theatre, and the impact of theatre on society.
- THEA 3950 Fundamentals of Play Directing** 3-0-3
Prerequisites: THEA 2750, THEA 2800, and THEA 2840. The study of the role of the director in theatrical production, including practical application of theories in classroom exercises.
- THEA 4010 Advanced Oral Interpretation** 3-0-3
Application of oral interpretation skills in choral reading and Reader's Theatre. Emphasis is placed on the vocalization of the script rather than traditional theatrical staging. Open as an elective to all VSU undergraduate students.
- THEA 4030 Special Topics in Theatre** 1 to 3 hours credit
The study of specific topics in theatre not covered in existing courses. May be repeated for credit if different topics are studied.
- THEA 4270 Play Writing** 3-0-3
An overview of the principles of writing for theatrical production with primary emphasis on the development of the structure for both one act and full length play scripts.
- THEA 4730 Advanced Makeup Techniques** 1-2-2
Prerequisite: THEA 2730 or permission of instructor. Exploration of advanced theatrical makeup materials and techniques for developing character makeup and for masks.
- THEA 4760 Principles of Technical Theatre** 3-0-3
Prerequisite: THEA 2750. Advanced study of the principles and techniques of technical theatre needed to engineer and complete the requirements for a theatrical productions, including rigging, welding, advanced construction technology, as well as special problems which arise in the execution of a set design.
- THEA 4770 Scene Painting** 3-0-3
An introduction to basic scene painting techniques, paint media, and materials.
- THEA 4790 Portfolio and Résumé Presentation** 1-2-2
Prerequisite: Senior Standing with a major in Theatre. Assembly and presentation of a portfolio and résumé for professional use. The course is designed to assist the graduating student in preparation of materials needed for job placement or graduate school admission.

- THEA 4800 Period Styles of Acting** 3-0-3
Prerequisite: THEA 2800. The study of pre-modern acting styles and application of the styles in a series of class scene performances.
- THEA 4810 Musical Theatre Technique** 3-0-3
Prerequisites: THEA 2800 and THEA 3020, or approval of department head. The advanced study of scene analysis, rehearsal techniques, and audition preparation using materials from the Musical Theatre repertory with application of the study in performance situations.
- THEA 4900 Children's Theatre and Creative Dramatics** 3-0-3
 A survey of the development of theatre for young people, recreational drama, and creative dramatics with emphasis on critical and dramatic literature, and applied techniques in working with child performers and audiences.
- THEA 4960 Internship in Musical Theatre** 3 hours credit
Prerequisite: Acceptance by audition. The placement of students in apprentice and intern positions in professional musical theatres.
- THEA 4970 Internship in Theatre** 3 to 9 hours credit
Prerequisite: Senior Standing. The placement of students in apprentice and intern positions in professional environments.
- THEA 4980 Theatre Tour** 3 hours credit
 The placement of students in touring positions conducted in a professionally oriented environment and involving the preparation and presentation of productions for regional and/or local audiences. This placement is to enlarge the student's professionalism. Admission to the tour is by audition only.

VSU (FRESHMAN ORIENTATION)

- VSU 1101 Freshman Seminar I** 2-0-2
Open only to first-year and first-semester transfer students. Introduction to lifelong learning with emphasis on college study skill strategies. Topics include learning styles, time management, learning and memory skills, learning from texts and lectures, note-taking, objective and essay examinations, and critical thinking skills.
- VSU 1102 Freshman Seminar II** 2-0-2
Prerequisite: VSU 1101. **Open only to students in their first 45 hours in residence at VSU.** Continuation of Freshman Seminar I with emphasis on empowering students to make responsible choices in college and in life. Includes practical and self-reflective exercises in promoting growth and change. Related topics include computer information technology, personal and leadership development, service learning, diversity, and career development.

WOMEN'S AND GENDER STUDIES

- WGST 2010 Women in the Humanities** 3-0-3
 Interdisciplinary approach to Women in the Humanities, it will explore representations of women and aesthetic works by women. Diversity is a central concern of this course. An understanding of how racism, classism, and ethnocentrism affect people will be incorporated into each component of the course.
- WGST 2020 Race, Class, and Gender** 3-0-3
Also offered as African American Studies 2020. An exploration of social class, gender, and racial/ethnic relations as distinct, but linked dimensions of social inequality. Includes an examination of the historic underpinnings of discrimination by race, class, and gender and the present status of these issues.

- WGST 3000 Introduction to Women's Studies** 3-0-3
An exploration of the diversity of women's lives through essays, readings, and the study of scholarly theories and research. The course will examine a wide range of social issues which affect the status of women in an historical context and in contemporary society.
- WGST 3010 Women in Ancient Greece and Rome** 3-0-3
Also offered as HIST 3010. Issues of particular relevance to women in Greek and Roman society and their modern parallels. Topics include social, political and legal rights; the family, marriage, and children; health issues; women and work.
- WGST 3020 The Status of Women: Historical Perspectives** 3-0-3
Also offered as HIST 3020. Women in the Western historical tradition with emphasis upon historiographical methods for working women's lives. Primary source materials reveal the evolution of women's views of themselves, first as expressed by men, then by women as they begin to speak of themselves.
- WGST 3030 Women's Health and Nutritional Issues** 2-2-3
Also offered as NURS 3030 and NUTR 3030. An introduction to the holistic health care and nutritional needs of women throughout their lifespan. Health care and nutrition issues are discussed from historical and contemporary perspectives. The course explores self-care practices of culturally diverse women, including health maintenance, illness prevention, and complementary healing.
- WGST 3330 Studies in Women and Literature** 3-0-3
Also offered as ENGL 3330. Prerequisite: ENGL 2110 or 2110H, 2120 or 2120H, 2130 or 2130H, 2060, or 2140. An examination of selected topics in literature by or about women.
- WGST 3600 Women and Religion** 3-0-3
Also offered as REL 3600. An introduction to historical, theological, spiritual and liturgical dimensions of women's experience within religious traditions. Research opportunities increase students' awareness of the implications of gender as an interpretive category.
- WGST 4220 Hispanic Women Writers** 3-0-3
Also offered as SPAN 4220. Exploration of the way in which Hispanic women writers have created voices and identities through a variety of textual strategies. A study of the development of feminist discourse through these works will also be covered. Readings may include works from Sor Juana Inés de la Cruz, Isabel Allende, Julia de Burgos, Luisa Valenzuela, Angeles Maestretta, Rosario Castellanos, Mercé Rodoreda, Ester Tusquets, Santa Teresa de Avila, Ana María Matute, Carmen Martín Gaité, and Rosa Montero.
- WGST 4261 Women in the U.S. to 1869** 3-0-3
Also offered as HIST 4261. A study of United States history from the perspective of women. Includes social, cultural, political, intellectual, and economic aspects of the nation's history, more specifically, the ways women shaped and were influenced by various events and movements in U.S. history from the Colonial period to 1869
- WGST 4262 Women in the U.S., 1869 to the Present** 3-0-3
Also offered as HIST 4262. A study of United States history from the perspective of women. Includes social, cultural, political, intellectual, and economic aspects of the nation's history, more specifically, the ways women shaped and were influenced by various events and movements in U.S. history from 1869 to present.
- WGST 4270 History of Women in the U.S. South** 3-0-3
Also offered as HIST 4270. A study of the U.S. South from women's perspectives. An examination of the contributions of women to southern social, cultural, and political developments, and of the ways gender, class, and race influence women's regional identity.
- WGST 4280 History of U.S. Women Activists and Social Reformers** 3-0-3
Also offered as HIST 4280. An examination of women activists and reformers at different periods in U.S. history; of the issues that have motivated women to activism and reform efforts; and of the ways women have contributed to, influenced, and been influenced by various social movements in U.S. history.

- WGST 4400 Women's Studies Seminar** 3-0-3
Prerequisite: WGST 3000 and at least two WGST 3000-level course electives. Capstone to the Women's Studies Minor. It serves to integrate the student's knowledge acquired from various disciplinary perspectives. Through discussion, papers, and oral presentations, students will explore the way in which Women's studies may apply to their own disciplines.
- WGST 4500 Directed Study** 3-0-3
Prerequisite: WGST 3000 and permission of the Director. An interdisciplinary study designed in consultation with one or more instructors and/or departments participating in Women's Studies.
- WGST 4600 Special Topics in Women's Studies** 3-0-3
 Topics vary. Designed to provide an intensive study in a specific area of Women's Studies. May be repeated for credit.

Additional Courses: Learning Support

- ENGL 0099 Developmental English** 3-0-3
 A composition course focusing on skills required for effective composition of timed essays and designed primarily for students who fail the essay portion of the Regents' Testing Program.
- MATH 0097 Developmental Math** 3-0-3
 Basic algebra skills for students with insufficient preparation.
- MATH 0099 Developmental Math** 3-0-3
Prerequisite: MATH 0097. A continuation of developmental algebra skills for students who successfully completed MATH 0097.
- READ 0099 Developmental Reading** 4-0-4
 Basic reading skills for students who have not demonstrated a level of reading ability sufficient for college work.
- RGTE 0197 Regents' Test: Essay** 0-0-0
- RGTE 0199 Regents' Test Preparation - Essay** 2-0-2
 A composition course focusing on skills required for effective composition of timed essays and designed primarily for students who fail the essay portion of the Regents' Test.
- RGTR 0196 Regents' Test: Reading** 0-0-0
- RGTR 0198 Regents' Test Preparation - Reading** 2-2-3
 Reading comprehension and vocabulary designed primarily for students who have not completed the Regents' Test requirement by the prescribed time.

Most credit notations on the far right are in the pattern 3-0-3. The first number is the number of lecture hours (or equivalent) each week; the second number is the number of laboratory hours (or equivalent) each week; the third number, **in bold**, is the number of semester hours credit.