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**Biology Department, College of Arts & Sciences, Valdosta State University**  
**FALL 2013----SUPPLEMENT TO COURSE SYLLABUS FOR BIOL 5100\***

**BIOL 5100, Sections A & B. Microbiology (CRN 81313 & 81314) – 4 credit hours**

**This supplement accompanies the course syllabus for BIOL 3100/5100, and is only for students taking BIOL 5100.**

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**\*This is a tentative supplement. Changes to this supplement will be announced during class or laboratory periods; alternatively, changes will be posted on BlazeView or discussed with the student(s).**

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**Instructor:       Dr. Jenifer Turco**

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**Course objectives and their alignment with University System of Georgia, Valdosta State University, and Biology Department Educational Outcomes/Objectives are detailed in the syllabus for BIOL 3100/5100.**

**Alignment of Assignments with Course Objectives:**

The course objective(s) aligned with each assignment are given below.

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**Grading:** Points for the course are allocated as follows:

<u>EXAMS 1, 2, &amp; 3</u> (Sept. 12, Oct. 10, & Nov. 7) (170 points each x 3=510)	510	POINTS
<u>EXAM 4</u> (FINAL EXAM – Dec. 4)	190	POINTS
LAB REPORT (Drawings) (Course objective ZA) - (Aug. 27-29)	15	POINTS
rRNA LAB REPORT (Course objective ZD) - (Oct. 24)	15	POINTS
LAB REPORT ON GENERAL UNKNOWN (Course objectives ZC, ZD) - (Oct. 29)	38	POINTS
LAB REPORT ON WINOGRADSKY COLUMN (Course objective ZF) - (Nov. 12)	65	POINTS
LAB EXAM - (Nov. 14)	73	POINTS
ORAL PRESENTATION (Course objective ZH) - (scheduled Oct. 31-Nov. 21)	70	POINTS
REFERENCES FOR ORAL PRESENTATION (Course objective ZG) (scheduled)	24	POINTS
<b>EXTENDED ORAL PRESENTATION OR PAPER**(GB2 and/or GB4)</b>	<b>200</b>	<b>POINTS</b>
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TOTAL FOR COURSE	1200	POINTS

**There are FOUR REQUIREMENTS TO PASS the course:**

1. Do not miss (or fail to complete) any more than 6 laboratories or oral report periods.
2. Complete and turn in all assignments and lab reports.
3. Obtain at least 40% of the points for **EACH** assignment and lab report.
4. Have a total of 600 or more points for the course.

**Students should read the entire syllabus carefully so they understand the course policies & procedures.**

The grade is "F" for a student who obtains less than 600 total points or fails to meet one of the other requirements for passing the course (see above list).     **GRADING SCALE (%): 90-100%, A; 80-89%, B; 70-79%, C; 60-69%, D; < 60%, F**

**Optional Extra Credit Opportunity:** Students may earn up to 35 additional points by keeping a journal focusing on microbiological articles found in the news. The journal must include a copy of each article as well as a **brief** summary of the article and why the article interested the student. Students are encouraged to share information from their journals during class. Sources of articles may include newspapers, magazines, online news sources, scientific publications etc. **Articles may not include any that are on the list of articles for student oral presentations. Journals will be due on Oct. 15, 2013, during lab.**

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**\*\*EXTENDED ORAL PRESENTATION OR PAPER** – In consultation with the instructor, the student will decide whether to give an extended oral presentation or write a paper. In either case, two or more primary scientific articles in a particular area of microbiology will be chosen, along with one review article. These articles will be chosen in consultation with the instructor. After thoroughly reading the article(s), the student will do one of the following: (i) give a 45-minute presentation on the papers during class or (ii) write a paper that provides background and also discusses the primary scientific articles. The oral presentation or paper must show that the student has **synthesized and analyzed** the material from the three references. A suitable day for the presentation will be chosen after discussion with the instructor. **If a lab project is chosen**, the student will work closely with the instructor to study the interactions between *Shigella* bacteria and cultured mouse cells. The student will keep a complete and accurate lab notebook on the project and write a 2-page summary of the results. The notebook and summary will be due on December 2, 2013.