Title of Course: General Biology II
Catalog Number, Section, Term: BIOL 1252.21 (99569) Spring 2012
Prerequisites: None
Coreqs: -SOS 1213 EXAMS
-Biol 1203

Class Room: M105 (except for SOS Exams- these are in RA 100)
Meeting Times and Dates: T, Th, 10-11:15 am
Instructor: Richard W. Lo Pinto, Ph.D.
Office Location: DH 4412
Office Hours: T 11:15-2:15 by appointment
Telephone with voice mail: 201 692-2297
FDU Email Address: lopintor@fdu.edu

Course description: Includes a study of modern biological principles and processes relating to multi-cellular plants and animals, ecology and behavior. Laboratory exercises include physiology, anatomy, ecology and behavior.


RULES, REGULATIONS, GRADES
Attendance and Lateness: Students shall attend all classes and be on time. Being late or absent for more than 3 classes coincident with a below 70% average is “Attendance Default”, resulting in automatic failure.

Makeup and Missed Work Policy There are no makeup exams.

Academic Integrity Policy: Students are obliged to review and abide by this FDU academic policy published at http://www.fdu.edu/studentlife/metro/academicintegrity.html

Grading policies for the lecture portion of the course:
There will be a total of equally weighted 7 hourly equivalent exams (4 hourly SOS exams, + a cumulatative final exam during exam week that is worth 2 hourly SOS exams, + the average of quizzes). Each lecture exam will cover the lecture material covered since the previous exam, unless otherwise specified at the last class prior to an exam. Quizzes address material covered preceding the last quiz or exam, and which was not previously covered in an exam or quiz.

The lecture grade is based on the average of hourly equivalent exams, and the lowest hourly equivalent is dropped before calculating the average. Conversion from the numerical grade to the letter grade follows the grade scale shown below.

Extra-credit or substitute-credit assignments are never allowed. Primary responsibility is for knowing the course material addressed in lecture and/or in assignments that may be given.
<table>
<thead>
<tr>
<th>Grade</th>
<th>GPA</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td>93 – 100%</td>
</tr>
<tr>
<td>A-</td>
<td>3.67</td>
<td>90 - 92%</td>
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<tr>
<td>B+</td>
<td>3.33</td>
<td>87 – 89%</td>
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<tr>
<td>B</td>
<td>3.00</td>
<td>83 - 86%</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
<td>80 - 82%</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
<td>77 - 79%</td>
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<tr>
<td>C</td>
<td>2.00</td>
<td>73 - 76%</td>
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<tr>
<td>C-</td>
<td>1.67</td>
<td>70 - 72%</td>
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<tr>
<td>D</td>
<td>1.00</td>
<td>60 - 69%</td>
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<tr>
<td>F</td>
<td>0.00</td>
<td>&lt; 60%</td>
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Other rules or regulations:

Electronic Equipment:
1. **During instruction:** Access to cell phones and/or electronic or other equipment (other than laptops) that are capable of recording and/or transmitting lectures or any instructional modality, or that offer distractions from learning the course material are **prohibited unless written permission** is obtained from the instructor. Using laptops for taking notes is permitted but students may also need paper for drawing diagrams. Diagrams are often useful to encapsulate ideas that are presented.

2. **When exams are present:** Cell phones and/or any electronic or other device capable of displaying, recording, transmitting or receiving information must not be readily accessible or on one’s person when exams are present. Any access to electronic equipment under these conditions will result in a minimal loss of up to 50 points from an exam grade and/or a failing grade in the course. **ACCESS ELECTRONIC EQUIPMENT ONLY AFTER LEAVING THE ROOM.**

(For Laboratory- The same instructions apply in addition to lab regulations to be provided by the instructor.)

(For Exams- A person not present for an hourly exam at the time it begins will not be permitted to take the exam. If a student is late for serious reasons the instructor may, in an exceptional case consider allowing the exam to be taken but the time available can not be extended. Permission can never be given to take an exam after someone has already left the exam room.

**INSTRUCTIONS FOR EXAMS**
- Students must bring a # 2 pencils to take exams. They will not be supplied.
- Mark and erase answer sheet properly, or request a new answer sheet and re-mark the answers if erasures are inadequate. **THIS RESPONSIBILITY IS YOURS ALONE, SO EXERCISE YOUR BEST JUDGEMENT.** The instructor will not correct your mistakes due to inadequate erasure.
- All question and answer sheets must be returned to the hands of the instructor who will then record their return.

Failure to return both question and answer sheets will result in failing the course. Cheating also results in failure.

Course Objectives: These reflect the course content, learning outcomes, and the course description.

**Competencies:** Students will become familiar with modern biological principles and processes relating to multi-cellular plants and animals, ecology, and behavior. Laboratory exercises include physiology, anatomy, ecology and behavior.

**Outcomes:** Students will develop major field knowledge in biology (= Program outcome # 7)

**Goals:** To provide knowledge and understanding of the biological mechanisms fundamental to the survival of a variety of organisms.

**Teaching Methodologies/Activities (Mode of Instruction):**

Students will learn from lectures designed to appeal to both visual and audio learners. **Taking good notes and organizing these notes immediately after class requires thinking, and so is essential for learning. Unlike simple transcription taking notes is not an intellectually passive activity. Understanding is required.** In addition to taking good notes we strongly recommend that students read about topics covered in lecture in the recommended text or in another recently published introductory biology text. Any other readings that may be assigned will be made available on reserve in the library. Exams cover the lecture material and they will test student’s knowledge of that material. Learning and understanding the course material well is the best way to earn a good grade.

**COURSE OUTLINE:**

**Weekly Assignments:** Organize and study the lecture material prior to the next class meeting as preparation for quizzes and/or exams, and so that you know what material may require additional explanation.

**Test Dates:** The SOS “hourly exam” schedule and the location of these exams are noted above. Quizzes should be anticipated each Tuesday except on days that an hourly exam in this course is given.

<table>
<thead>
<tr>
<th>WEEK</th>
<th>Chapter Number</th>
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| 1.   | Science and the Scientific Method | 1 
| 2.   | Approaches to the Study of Biology | 1 
| 3.   | Properties of Matter Important in Biological Systems | 2,3 
| 4.   | Basic Chemistry, Thermodynamics and Enzymes | 3,4 
| 5.   | Organic Chemistry | 3 
| 6.   | The Cell | 5,6,7 
| 7.   | Respiration | 8 
| 8.   | Photosynthesis | 9 
| 9.   | Plant Tissues | 31,32 
| 10   | Hormones + (Mitosis-Meiosis review) | 7,10,11 
| 11.  | Genetics- Principles of Heredity | 12,13 
| 12.  | DNA and Other Nucleic Acids | 13,14,17 
| 13.  | Controlling Genes: Mechanisms of Protein Synthesis | 5,15,18 
| 14.  | Gene Regulation | 16 
| 15   | **FINAL EXAM WEEK** |  

*Students will be informed of changes that may be made to the course syllabus and they are responsible for learning material that may be added.*