CELL 1010-01 GENERAL BIOLOGY (Fall 2011)

Instructor: Dr. Meenakshi Vijayaraghavan  email: mviji@tulane.edu
Class Schedule: MWF 12.00 – 12.50PM, Richardson 117
Office: 4006 Percival Stern Hall

Course Description: This course aims to impart knowledge of the general principles of biology, chemical basis of life, general features, structures, functions and physiology of the cell, cytogenetics, and microbial genetics. It meets the science requirement for a major in cell and molecular biology and biomedical engineering.

Pre-requisites: None

Course Learning Outcomes: At the completion of the course, students will be able to

• list the properties of life
• explain the general principles of biology
• describe the difference between discovery-based and hypothesis-based research
• label the parts of a cell
• list the general features, structures, functions and physiology of the cell
• differentiate and explain a prokaryotic cell from a eukaryotic one
• explain the laws of heredity
• explain patterns of inheritance


Grading: Home work 10%
Three midterm exams at 20% each 60%
Comprehensive final examination 30%
Final grade 100%

Attendance, Homework, and Reading: Attendance will be taken; if you miss too many classes (>3) your grade will be reduced one level (E.g. A to A-) as will be the case when you use cell phones to receive or send voice or text messages. Tardiness in class is not tolerated as is leaving early during the lecture. At the discretion of the instructor, homework sheets will be posted on the Connect (McGraw Hill) for a scheduled time and the number of homework assignments completed will be taken into consideration while giving the final grades. Syllabus and class schedule are posted on the Blackboard website – http://mytulane.blackboard.com. The tentative lecture topics and assigned textbook readings are given below.

Tentative Class Schedule – MWF (12:00 -12:50 PM)

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>August</td>
<td>An introduction to Biology</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>29</td>
<td>Biology as a scientific discipline</td>
<td>Chapter 1</td>
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Missed Exam: All exams are expected to be taken at the scheduled date and time. Score in a missed exam will be recorded as zero. No make-up exam will be given. The final exam must be taken at the assigned time (19th December, 8:00 AM - 12:00 PM). Any make up of the final exam requires a written excuse to be submitted to and approved by the Dean.

Tulane Honor Code: Students are expected to adhere to the principles of the Tulane Honor Code at all times. Any violations of this code will not be tolerated.