Biology 211 – Allied Health Microbiology
General Information – Fall 2011

Course Learning Objectives:
1. General understanding of microbial physiology, genetics, and metabolism
2. Understanding the role(s) of microorganisms in human disease
3. Understanding human host defenses to infection
4. Role of microorganisms in food production and spoilage

Pre-requisites: Successful completion of one college course in biological principles and one college course in chemistry.

Please check Web Vista daily for: announcements, updates, assignments, notes, on-line quizzes, grades.

Instructors:
Dr. Patricia Edelmann; Holt 313; 898-4748; pedelmann@csuchico.edu
Lecture MWF 12-12:50 Holt 170; Labs 9:30-10:45 AM, 2:00-3:15 PM
Office Hours: Mon, Wed 9:00-10:30 AM; Tues 11-12 PM. Thurs 1-2 PM, and by appt.

Dr. Andrea White    Holt 301J; 898-4123; akwhite@csuchico.edu
Labs 11:00-12:15PM; 12:30-1:45PM
Office Hours:

Tutoring; Student Learning Center SSC 340    Schedule; TBA

 Required. Biology 211 Laboratory Manual (Available for purchase from the Biology Honors Club, Omicron Theta Epsilon- outside Holt 255. $15-(Cash only)

Other: Computer Access to Web Vista. Protective Laboratory Covering(provided), Safety Goggles, Sharpie Permanent Marker. You may bring a lock for your lab drawer.

<table>
<thead>
<tr>
<th>Course Grade</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Exam I</td>
<td>80</td>
</tr>
<tr>
<td>Exam II</td>
<td>100</td>
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<tr>
<td>Exam III</td>
<td>100</td>
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<tr>
<td>Comprehensive Final Exam</td>
<td>150</td>
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<tr>
<td>On-line Quizzes (10@ 5pts. ea.)</td>
<td>50</td>
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<tr>
<td>Laboratory Grade</td>
<td>120</td>
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<tr>
<td>Total Possible</td>
<td>600</td>
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<table>
<thead>
<tr>
<th>Laboratory Grading</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Unknowns (2)</td>
<td>30</td>
</tr>
<tr>
<td>Lab Exams (2)</td>
<td>60</td>
</tr>
<tr>
<td>Growth Curve Quiz</td>
<td>15</td>
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<tr>
<td>Laboratory Participation</td>
<td>15</td>
</tr>
<tr>
<td>Laboratory Grade</td>
<td>120</td>
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</table>
Grading: The following will be used to determine your final grade letter.

A = 552 points (92%)  
A- = 534 – 551 points (89 – 91 %)  
B+ = 522 – 533 points (87 – 89 %)  
B = 486 – 521 points (81 – 87 %)  
B- = 474 – 485 points (79 – 81 %)  
C+ = 462 – 473 points (77 – 79 %)  
C = 426 – 461 points (71 – 77 %)  
C- = 414 – 425 points (69 – 71 %)  
D+ = 402 – 413 points (67 – 69 %)  
D = 360 – 401 points (60 – 67 %)  
D = Below 360 points (60 %)

Exams: Exams are given in class and include material from the laboratory and from the lecture. Please merge laboratory and lecture material as you study. The format is predominantly multiple choice. With each Exam, except for the Final, there will be a written section. Scantrons will be provided. With the exception of calculators, you will be asked to turn off all electronic devices and put them away.

On-line Quizzes: Each online quiz is worth 5 points. There are ten questions @ 0.5 point/question. Eleven quizzes will be given weekly between Friday 2 PM through Monday 10 AM on Web Vista. The time allotted for the on-line quiz is 30 minutes. Each quiz will cover lab material from the present and next week and lecture material from the present week. Your lowest quiz score will be dropped.

'Americans with Disabilities Act:

If you need course adaptations or accommodations because of a disability or chronic illness, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Please also contact Disability Support Services (DSS) as they are the designated department responsible for approving and coordinating reasonable accommodations and services for students with disabilities. DSS will help you understand your rights and responsibilities under the Americans with Disabilities Act and provide you further assistance with requesting and arranging accommodations.'

Disability Support Services
www.csuchico.edu/dss
530-898-5959
Student Services Center 170

Protocol:

1. Attendance in lab is required. We hope that you will enjoy lab and find this time very well spent in learning about microbes. If you are unable to attend a lab, you must notify the instructor and try to attend another section that day. Tardiness and absences will affect your laboratory grade. It is imperative that we begin lab on time. A loss of up to one point will occur for every time you are not at your lab bench when the instructor begins class. There will be no penalty for the first two absences, however, your laboratory grade will be lowered by 2 points for each absence after that. A total of seven absences will result in an “F” grade for the BIOL 211 course.

2. Unsafe laboratory technique or improper/unsafe disposal of materials will result in a loss of 10 points from your laboratory grade, or dismissal from the course.

3. Lab participation grade will be based upon technique/skills, care of equipment, proper discard procedures,
teamwork, preparation for lab, punctuality, and other traits pertinent to a potential “letter of recommendation”.

4. Lab skills grade will be based upon your proficiency with the microscope and aseptic technique.

5. Late assignments may be turned in up to 1 week late for 50% of the possible point value.

6. Make-up quizzes and exams are NOT given unless prior arrangements have been made.

7. At the end of every lab whenever possible, the class will discuss correct answers to questions for that lab.

8. **If you have a medical condition that may affect your success in lab, please let your instructor know.**

Lab Cleanup:

1. Everyone is responsible for properly cleaning up their work area and discarding materials at the end of the lab period.

2. Remove tape and marks from glassware discards.

3. Tubes should have caps in place and be carefully discarded so there are no spills.

4. **Each week one group will be responsible for policing lab discards.** Table #1 is responsible for week #1, Table #2 is responsible for week #2, and so on. The cleanup group will check the discard area for proper discard (marks, tape, tubes tipped over), for stains left on lab benches, and proper storage of microscopes. **There will be a 5-point penalty to all members of the cleanup group for improper/incomplete cleanup.**
## Deadline Involving Course Academic Dates and Enrollment for Fall 2011:

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Day of Classes</td>
<td>August 22, 2011</td>
<td>Attend all classes in which you are enrolled or which are on your wait list. Faculty have the right to disenroll students who do not attend to make room for students who wish to enroll.</td>
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<tr>
<td>End of Course Add/Drop Period</td>
<td>September 2, 2011</td>
<td>This is the last day to add or drop classes using your Student Center. After this date you must have instructor or department approval to add or drop. See Late Registration and the Class Add and Drop Request Process on the Class Schedule. You are financially responsible for any classes in which you are enrolled as of this date plus any classes in which you subsequently enroll.</td>
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<tr>
<td>Limited Course Add/Drop Period</td>
<td>September 5-16</td>
<td>You must use the Class add and Drop Request process to add, drop, or change grade option during this time, and the approval signature of the instructor is required.</td>
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<tr>
<td>University Census</td>
<td>September 16, 2011</td>
<td>Financial aid awards will be adjusted for enrollment. Awards may be reduced for students enrolled in fewer than full-time units.</td>
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<tr>
<td>Restricted Course Add/Drop Period</td>
<td>September 17– November 25, 2011</td>
<td>You must have a serious and compelling reason to add or drop classes at this time. You must use the Class Add and Drop Request Process, and obtain the approval signatures of the instructor, chair, and dean. To formally withdraw from the University, contact the Student Records &amp; Registration Office.</td>
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<tr>
<td>Final Course Drop Period (last 2 weeks of term)</td>
<td>November 28– December 16, 2011</td>
<td>To drop a class during this period, you must have a verifiable serious illness or accident with circumstances clearly beyond your control. Request for withdrawal must be received in the Academic Advising Office no later than 5 p.m. on the Thursday prior to finals week.</td>
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