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 Blackboard Learn 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 TR 9:30-10:45 AM; 11:00-12:15PM Holt 309
Office Hours: Mon.12-2 PM; Wed.12-1 PM; Tues.and Thurs. 12:30-1:30 PM. and by appt.

Dr. Andrea White  Holt 301J; 898-4123; akwhite@csuchico.edu
Lab TR; 12:30-1:45PM Holt 309
Office Hours: __________________________________________

Ms. Betsey Renfro  Holt 325C; 898-6917; brenfro@csuchico.edu
Lab TR 2:00-3:15 PM Holt 309
Office Hours: __________________________________________

Tutoring; Student Learning Center SSC 340    Schedule: TBA (Tutors: Katie Reinmuller, Susan Lee)

Required. Biology 211 Laboratory Manual (Available for purchase from the Biology Honors Club, Omicron Theta Epsilon- outside Holt 255. $10-(Cash only)

Other: Computer Access to Blackboard Learn. Protective Laboratory Covering/Coin (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>
<th>Laboratory Grading</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam I</td>
<td>80</td>
<td>Unknows (2)</td>
<td>30</td>
</tr>
<tr>
<td>Exam II</td>
<td>100</td>
<td>Lab Exams (2)</td>
<td>60</td>
</tr>
<tr>
<td>Exam III</td>
<td>100</td>
<td>Growth Curve Quiz</td>
<td>15</td>
</tr>
<tr>
<td>Comprehensive Final Exam</td>
<td>150</td>
<td>Laboratory Participation</td>
<td>15</td>
</tr>
<tr>
<td>On-line Quizzes (10@ 5pts ea.)</td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laboratory Grade</td>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Possible</td>
<td>600</td>
<td>Laboratory Grade</td>
<td>120</td>
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</tbody>
</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 %)  
F = 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 each of the written portion of an exam there will be several extra credit questions. **This is the only extra credit available during the semester.**

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 9 AM** on Blackboard Learn. 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.**

Lecture and lab exams have been scheduled- please refer to syllabi. Lecture exams will not be rescheduled unless there is a documented professional reason you cannot take the exam on the scheduled date. Make-up lecture exams are NOT given unless prior arrangements have been made. Lab exams must be taken on the scheduled date.

'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 Accessibility Resource Center (ARC) as they are the designated department responsible for approving and coordinating reasonable accommodations and services for students with disabilities. ARC will help you understand your rights and responsibilities under the Americans with Disabilities Act and provide you further assistance with requesting and arranging accommodations.

**Accessibility Resource Center (ARC)**

[www.csuchico.edu/arc](http://www.csuchico.edu/arc)

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. 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. All stains must be removed from the bench top at the end of each lab.

3. Remove labels and sharpie marks from glassware discards.

3. Tubes should have caps in place and be carefully discarded so there are no spills.
Deadline Involving Course Academic Dates and Enrollment for Spring 2013:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Day of Classes</strong></td>
<td>January 28, 2013</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>
</tr>
<tr>
<td><strong>End of Course Add/Drop Period</strong></td>
<td>February 8, 2013</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>
</tr>
<tr>
<td><strong>Limited Course Add/Drop Period</strong></td>
<td>February 9-February 22, 2013</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. Financial aid awards will be adjusted for enrollment. Awards may be reduced for students enrolled in fewer than full-time units. See University Census at <a href="http://fa.csuchico.edu/fa/enrollment/census.shtml">http://fa.csuchico.edu/fa/enrollment/census.shtml</a>.</td>
</tr>
<tr>
<td><strong>University Census</strong></td>
<td>February 22, 2013</td>
<td></td>
</tr>
<tr>
<td><strong>Restricted Course Add/Drop Period</strong></td>
<td>February 23-May 5, 2013</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 Office of the Registrar.</td>
</tr>
<tr>
<td><strong>Final Course Drop Period (last 2 weeks of term)</strong></td>
<td>May 6-May 24, 2013</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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