CASPER COLLEGE COURSE SYLLABUS
MOLB 2210 GENERAL MICROBIOLOGY

Semester/Year: Fall 2006

Lecture Hours: 3  Lab Hours: 3  Credit Hours: 4

Class Time: Lecture 11:00 – 11:50 am  Lecture Days: M, W, F  Lecture Room: PS103
Lab Times: LA 11:30- 12:50 am  Lab Days: T, Th  All labs are in LS 204
    LB  1:00 – 2:20 pm
    LC  2:30 – 3:50 pm

Instructor’s Name: Dr. John Chase

Instructor's Contact Information: LS 211  Office Phone: 268-2898  Email: Jchase@caspercollege.edu

Office Hours: See handout schedule and schedule on office door.

Course Description: A study of microorganisms, focusing on fundamental biochemical principles, microbial physiology, identification and the laboratory techniques used to study these microorganisms.

Statement of Prerequisites: None are required. However, a knowledge of general biological and chemical concepts is needed.

Goal: The goal of this class is to provide an understanding of the general morphologies of microorganisms, biochemical pathways found in prokaryotes and eukaryotes, ecological abundance of microbes as well as the genetics and phylogenetic relationship of microbes.

Outcomes: The student should know and understand the following concepts essential to the understanding of general microbiology:

- The scope and history of microbiology.
- The identification and classification of microorganisms.
- The biochemical foundation of microbial concepts.
- The basic metabolism, genetics and other life processes of microorganisms.
- The growth and control of microorganisms.
- The infection process and host resistance.
- Laboratory techniques dealing with aseptic procedures and microorganism isolation.
These objectives will be assessed by a combination of lecture quizzes and exams as well as applied laboratory manipulations performed for the instructor.

Methodology: Lectures and peer review papers will be used to achieve the stated objectives which cover subject content. Hands-on exercises, which investigate and apply important concepts, will be the focus of the laboratory portion of this class.

Evaluation Criteria: The student will be given four 50-point quizzes and four 100-point exams covering both the lecture material as well professional peer review papers discussed in classed. Lecture exams and quizzes will total 600 points of the total grade. Additionally four laboratory quizzes worth 100 pts total will given along with ten laboratory problem sets worth a total of 100 points. A 100 point paper describe the identification of an unknown organism will complete the laboratory requirements making the laboratory worth 30 percent of the overall grade.

**Lecture Grade:**
- 4 quizzes/ 50 points each = 200 pts
- 4 exams/ 100 points each = 400 pts

**Lab Grade:**
- 4 quizzes/ 25 points each = 100 pts
- 10 Problem Sets/ 10 points each = 100 pts
- Unknown Bacterium Report = 100 pts

**Total = 900 points**

Grading will be assigned on the following basis:
90% and above = A  
80% - 89 % = B  
70%- 79% = C  
60% - 69% = D  
Below 60% = Failing


Class Policies: Last date to change to audit status or to withdraw with a W grade is the last day of school with instructor’s permission. There will be no penalty for missed lectures. However it is the responsibility of the student to acquire any notes or papers that the student missed and be aware of any assigned material or class discussions.

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the department head, then the division chair, and lastly the vice president for academic affairs.

Academic Dishonesty - Cheating & Plagiarism: Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in
which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct.

ADA Accommodations Policy: It is the policy of Casper College to provide appropriate accommodations to any student with a documented disability. If you have a need for accommodation in this course, please make an appointment to see me at your earliest convenience.

Tentative Schedule

See Handout