

Biology 112
Concepts in Human Biology and Health
Spring 2009 Syllabus

PROFESSOR INFORMATION

Instructor: Dr. Richard Kliman
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Office Hours: M 3-4, W 6-7
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GENERAL COURSE INFORMATION

Number of credits: 4 cr lecture and lab

Prerequisites: None

Required text: S.S. Mader. *Human Biology*. 10th ed. McGraw-Hill, NY, 2008.

Outside readings: To be selected.

Course description (from catalog): Current health issues are examined in this course to provide awareness and scientific literacy about their potential impact and application to our well-being and the choices we make. Format of course: Lecture (3 hours) and lab (3 hours).

Course objectives: The purpose of this course is to provide you with an opportunity to develop an understanding of biological principles, as they relate to human health. In other words, human health provides a framework for discussion of broader biological principles.

COURSE OUTCOMES/ASSESSMENT

At the completion of the course, you will understand essential concepts of biology, in particular those that relate to physiology of cells and organisms, with an emphasis on humans. You will be able to effectively communicate this understanding. You will demonstrate critical thinking. Your progress will be monitored in classroom discussions, formal exams, and assignments associated with laboratory exercises.

STUDENT ASSESSMENT/EVALUATION

Grading: The final grade is based on percentage of points earned:

≥ 93% = A	≥ 90% = A-	≥ 87% = B+	≥ 83% = B	≥ 80% = B-
≥ 77% = C+	≥ 73% = C	≥ 70% = C-	≥ 67% = D+	≥ 60% = D

As discussed below, the final grade in the course is based on your lecture and lab grades. Your lecture grade will reflect your performance in the following:

Exams 1, 2 and 3:	60%	Each lecture exam accounts for 20% of your lecture grade. Lecture exams will be on material covered since the previous exam (or, in the case of the first exam, since the first day of class). Exams will combine multiple-choice and essay/short-answer questions.
Class Participation:	20%	Regular participation is required for a B. In order to earn an A, your contributions to class discussion should regularly reflect insight and preparation. Read before class. Outside readings will be discussed most weeks.

Let's face it: we meet once a week for 2.5 hours. If I do all the talking, none of us will be very happy! Each unexcused absence from lecture will lead to a grade penalty equivalent to 1/10 of the class participation grade.

Final Exam:	20%	The Final Exam is not comprehensive, and will be on material covered after the third lecture exam.
Quizzes:	Up to 5% Extra Credit	There will be 5 "pop" quizzes, which will test your understanding of material covered in the previous lecture and your familiarity with material to be covered that day.

Your final grade in the course will be calculated from your lecture and lab grades. The grade will be computed by multiplying your lecture grade by 2/3, by multiplying your lab grade by 1/3, and then summing the two.

STUDENT RESPONSIBILITIES

Attendance: Attendance in lecture is strongly recommended. Attendance on exam days is required.

Attendance in lab is required (see separate lab syllabus). Unexcused absences on exam days will be dealt with on an *ad hoc* basis, but the default is that you will forfeit credit for a missed exam.

- If you must miss class or lab for a Cedar Crest-sanctioned activity, provide appropriate proof in advance, using an official form; this should be done as soon as you are aware of the conflict. Otherwise, your absence will be considered unexcused.
- If you must miss class or lab for a legitimate, but unforeseen, reason, let me know as soon as possible; your absence will be considered unexcused until we hear from the Dean of Student's Office that the absence was judged to be unavoidable.

Policy on make-up exams: If I conclude that you missed an exam for a legitimate reason, I will prepare a makeup exam if the exam has already been returned. You should expect the exam to be essay-format.

CEDAR CREST COLLEGE HONOR CODE (INCLUDING THE CLASSROOM PROTOCOL)

The Department of Biological Sciences fully supports the Cedar Crest College Honor Code. The Honor Code is explained in the Student Handbook; I recommend that you review it.

Disruptive behavior will not be tolerated. Any incidences will be noted and you will be penalized 1/3 of your final letter grade for each incidence (e.g., B to a B-). Generally, disruptive behavior in the classroom is any behavior that interferes with the process of learning. At Cedar Crest College, it is the right of every student and faculty member to engage in a classroom experience free from disruptive behavior. What is disruptive to one person might not be disruptive to another, so the final authority on disruptive behavior is the faculty member. Faculty members have the authority to address disruptive behavior in the manner they see fit under the guidelines set forth in the College Catalog (please see the section on "Classroom Protocol").

POLICY REGARDING LEARNING DISABILITIES

Students with documented disabilities who may need academic accommodations should discuss these needs with their professors during the first two weeks of class. Students with disabilities who wish to request accommodations should contact the Advising Center.

ANTICIPATED SCHEDULE

January 21		Chemistry of Life	Chapter 2
January 28		Cells, Body Systems	Chapters 3, 4
February 4		Cardiovascular System	Chapters 5, 6
February 11	Exam 1	Immunity	Chapter 7
February 18		Digestion, Respiratory System	Chapters 8, 9
February 25		Excretion, Skeletal System	Chapters 10, 11
March 4	Exam 2	Muscular System	Chapter 12
March 18		Excretion, Skeletal System	Chapters 10, 11
March 25		Nervous System, Senses	Chapters 13, 14
April 1		Endocrine, Reproductive Systems	Chapters 15, 16
April 8	Exam 3	AIDS	AIDS supplement
April 15		Development, Chromosomes	Chapters 17, 18
April 22		Cancer, Inheritance	Chapters 19, 20
April 29		Human Evolution, Human Impacts	Chapters 22, 23

Final Exam: TBA

Your obligations for this course include attendance at the final exam, on the day and time scheduled by the Registrar's Office. You should not make travel arrangements until the final exam schedule is published; if you must make plans early, you should schedule your travel after the last final exam day.