

Biology 3000 Syllabus Spring 2012

Thursdays 6:00 – 8:30; Room C106

Instructor: Katherine M. Schroeder

Email: kschroeder@csustan.edu

Office hours: T, Th: 12:00-1:00pm, N263

Scope of course:

Different topics of biology that are currently in the forefront of research and public awareness will be discussed. Emphasis is on further development of biological principles learned in lower-division general education courses in natural sciences and in preparing students to deal with questions and decisions relating to biological developments affecting their lives. Topics vary from semester to semester. Here they'll include genetic engineering, stem cell research, and disease treatment. Satisfies G.E. area F1. Prerequisite: Junior standing.

Course Goals:

1. Provide an overview of the issues, principles, methodologies, and perspectives of biology.
2. Develop an understanding to allow effective communication on biological issues.
3. Provide a working background to critically evaluate biological issues and develop continuous inquiry and life-long learning.
4. Provide the framework to understand, examine critically, and use information from various sources to answer questions relevant to biology.
5. Appreciate the relationships between the fields of biology, chemistry, physics, geology, and the other sciences with an emphasis on how these fields are closely inter-related.
6. Appreciate the interdependence of humans on natural ecosystems and the diversity of life on earth.
7. Develop more informed and responsible citizens with respect to issues concerning the living world.

Required Text and other materials:

- *Biology: Science for Life (3rd edition)* by Colleen Belk and Virginia Borden Maier
- Online access to Mastering Biology
- 3 scantron 882

Absences

- Students who miss.....may be dropped.
...the first day without a valid excuse
...more than three days total

Other Requirements

Respect toward others in classroom. Phones, computers, and other devices off and out of view. Willingness to learn!

Grading

Exams

- exam questions: multiple choice, true/false, matching, identifying
- three exams: 60% of final grade; 50 questions each

Assignments

- due at beginning of class unless otherwise noted; 10% off per day late.
- should be typed; handwritten acceptable only if legible.
- 25% of final grade

Reading quizzes

- online, using Mastering Biology
- 15% of final grade

Other

- no extra credit
- no makeup exams. Exceptions may be made only under very special circumstances with valid excuse. For example, if you know you will have to miss an exam, I may let you take it the day before scheduled time, given enough notice and a valid excuse.

Final Grade

93-100% = A	87-89% = B+	77-79% = C+	67-69% = D+
90-92% = A-	83-86% = B	73-76% = C	60-66% = D
	80-82% = B-	70-72% = C-	0-59% = F

Welcome to Frontiers in Biology!!