



**BIOSCI 0100
PREPARATION FOR BIOLOGY
FALL TERM 03-1 SYLLABUS**



Instructor

Dr. Alison Slinskey Legg
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Office Hours: Mondays 10:00-11:00 am, room A237 Langley Hall, or by appointment.

Teaching Assistant

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Lecture

Monday/Wednesday 1:00-1:50 pm A210 Langley Hall CRN#21091

Recitation

Friday 9:00-10:50am 170 Crawford Hall CRN#29809
Friday 1:00-2:50 pm 170 Crawford Hall CRN#21096

Textbook and Supplemental Materials

Required:

Biology, Sixth Edition by Neil A. Campbell et. al. Published by Benjamin/Cummings, an imprint of Addison Wesley Longman.

Course Objectives

The goal of this course is to provide students with a foundation in biology. This course is intended for students who have not taken high school biology in the past 5 years, or who feel that their biology background is weak. We will concentrate on a subset of topics covered in Foundations of Biology I and II (BIOSCI 150, 160), including a review of chemistry as it applies to biology, the basic structure of cells, introduction to genetics and molecular biology, and development and physiology.

Lecture and Exam Schedule

The schedule for the 15 weeks of this course is on page 4. Please note the dates of the mid-term and final examinations to avoid any future scheduling conflicts. All three **Mid-Term Examinations** will be given during the regular class meetings. The **Final Examination** will be in room A210 Langley Hall on **Monday December 9, 2002 from 12:00-1:50pm**. The final examination will be comprehensive in nature. Please note that the final exam will begin promptly at 12pm. If you have to travel to campus allow sufficient time to ensure that you arrive by the time the exam begins.

Recitation

The recitation for BIOSC 0100 is an important component of this course. During the term, the teaching assistant will review lecture topics, answer questions and lead the group in solving problems. On occasion, recitations will be held in the Hughes Computing lab (Room 120 Clapp Hall) where the teaching assistant will use computer programs and exercises to help further your understanding of a particular lecture topic. **Your attendance in recitation is required.**

Final Grade

Your final grade will be determined on the basis of your total points earned during the semester. There will be three mid-term exams, each 50 minutes, scheduled during class meetings (see page 4). Each mid-term exam is worth 25% of the total number of points for the course. Additionally, there will be a cumulative (comprehensive) final exam (the Final Examination will be in room A210 Langley Hall on Monday December 9, 2002 from 12:00-1:50pm).

Missed Exams

There will be **NO MAKE-UP MIDTERM EXAMS**. If you miss a mid-term exam due to an excused emergency absence, your final grade will be based on the total points earned on the other mid-terms and the final exam. If you miss an exam due to an emergency (death in the immediate family, serious injury, or illness), you must submit, in writing, to Dr. Slinsky Legg, your request for an excused absence. Please use the following guidelines when preparing your written request:

- Indicate your name, the nature of the emergency, and the date of the examination that you missed.
- Your request must be detailed, typed and signed in ink. It must be given to Dr. Slinsky Legg no later than 1 week after the missed exam.
- If you missed an exam due to a medical condition, you must include documentation. At the minimum, you must submit a signed letter from your physician.

Failure to comply with these guidelines could result in a zero grade being recorded for the missed exam. No one will be excused from more than one missed exam. If

you miss more than one exam, you must contact your academic advisor or the CAS Dean's office to discuss your possible options.

G Grades

Students who wish to petition for a G grade must submit to Dr. Slinsky Legg, in writing, a specific request for this grade change documenting your reason(s). You will be required to make arrangements in person, with the instructor, for the specific tasks you must complete to remove the G grade. Remember that G grades, according to CAS guidelines, are to be given only when students who have been attending a course and have been making regular progress are prevented by circumstances beyond their control from completing the course after it is too late to withdraw (University of Pittsburgh Undergraduate Bulletin, 1999-2002, p.18). If you miss the final and have a valid excuse, you may receive a G grade, but only after the excuse is documented and arrangements to finish the course work are finalized with the instructor.

Academic Integrity

Students in this course will be expected to comply with the University of Pittsburgh's Policy on Academic Integrity: Student Obligations. Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity. This may include, but is not limited to, the confiscation of the examination of any individual suspected of violating University Policy. Furthermore, no student may bring any unauthorized materials to an examination, such as dictionaries or a programmable calculator with stored information specific to the material covered in this course.

Students with Disabilities

If you have a disability that requires special testing accommodations or other classroom modifications, you need to notify both the instructor and the Office of Disability Resources and Services. You may be asked to provide documentation of your disability to determine the appropriateness of accommodations. To notify Disability Resources and Services, call 648-7890 (Voice or TDD) to schedule an appointment. The Office is located in 216 William Pitt Union.

Date	Chapter	Topic
M 8/26	2	Course Introduction The Chemistry of life
8/28	2	Elements and Compounds
9/2	-----	No class-Labor Day
9/4	3	Water
9/6		<i>Add/Drop Period Ends</i>
9/9	4,5	Carbon/Macromolecules
9/11	5	Macromolecules
9/16	5,6	Macromolecules, Enzymes and Metabolism
9/18	-----	MID-TERM EXAM 1
9/23	7	The Cell- an Overview, Eukayotes/Prokaryotes, Organelles
9/25	7	The Cell- Organelles
9/30	7	The Cell- Cytoskeleton
10/2	8, 11	Membrane Structure and Function, Signal Transduction
10/7	12	The Cell Cycle-Cell Division, Mitosis
10/9	13	Meiosis
10/14	pg.279-283	Nondisjunction-Human Genetic Disease
10/16	-----	MID-TERM EXAM 2
10/21	14	Genetics-an Overview, Probability
10/23	14	Genetics- Mendelian
10/25		<i>Deadline to submit monitored withdrawal forms to Dean's Office</i>
10/28	14, 15	Genetics
10/30	15	Genetics- The Chromosome Theory of Inheritance
11/4	16	Molecular- DNA Replication
11/6	17	Molecular-Transcription
11/11	17	Molecular-Translation
11/13	-----	MID-TERM EXAM 3
11/18	19, 20	Control of Eukaryotic Gene Expression, Cancer Genetics
11/20	21, 47	Development
11/25	40	Animal Form and Function
11/27	-----	No class-Thanksgiving break

12/2	?	An organ system - class choice
12/4		Review
12/9		FINAL EXAM A210 Langley Hall 12:00-1:50 PM