

BIO181: General Biology for Majors I

Lead instructor: Anna Marti-Subirana, Ph.D., 602-285-7874

ASU Transfer Information:

- BIO 188, Natural Science - Quantitative (SQ),
- Note: Fall 2006 and beyond: Alternate Evaluation - MBB 245 (4), Natural Science - Quantitative (SQ).

Lecture Format:

- Power Point is used during every lecture period to present lecture material.
- Power Point outlines are provided to supplement every lecture
- Animations, videos, and interactive material are used during every lecture for teaching and student activities
- Collaborative, group-based activities are part of the lecture format

Laboratory Format:

- Hands-on activities are performed during every lab session by individual students or groups of 2 to 4 students
- Activities include exposure to living organisms and chemicals
- Each student is expected to demonstrate their proficiency at operating lab equipment as well as their understanding of theoretical and technical concepts covered in each lab section
- Each student is expected to turn in a completed form reporting their results at the end of each lab

Examination and Quiz Format:

- In class multiple-choice and short essay question exams (4)
- Optional cumulative multiple-choice final (1)

Assignments:

- Selected readings in chapters of text book
- Sets of short answer questions (4) based on text book readings and lecture material
- Genetics Problem Set (1)
- Scientific lab papers (2)

Attendance:

- Attendance is required and will be recorded in both lecture and laboratory.
- After 3 unexcused absences in lecture and/or 1 unexcused absence in lab, students will be withdrawn from the class

Prerequisites:

- BIO181 is a program prerequisite or course requirement for Pre-Professionals and Medical Technology. Prior experience with High School Biology and Chemistry is highly recommended

Skills that help students succeed in this course:

- Student accountability and commitment to their own learning are essential
- Ability to understand written and verbal instructions are essential
- Strong study habits and time management skills are essential.
- College level reading and writing abilities are important.
- High School Algebra skills and basic computer literacy are important.