

2016-2017 CP Biology Syllabus

Main Goals of the course

CP Biology investigates the relationship between structure and function from molecules to organisms and systems, the interdependence and interactions of biotic and abiotic components of the environment, and mechanisms that maintain continuity and lead to changes in populations over time. There is a major emphasis on lab work, graphing and analysis skills. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Cells, Interdependence, Flow of Matter and Energy, Heredity, and Biodiversity and Change.

Expectations

This is NOT a class for passive learners. You are expected to be actively engaged in this course through class discussions, class activities and pre- as well as post-lecture assignments and readings. It is expected that you will spend several hours reading/working problems associated with each class. If you stay on top of your reading and homework, there will be no need to cram for an exam.

Textbook and Additional Readings

Textbooks will not be assigned, but are available by request. Additional readings will be assigned that include primary literature, classic papers and current articles relevant to the lecture topics. Part of a lecture each week will be devoted to discussing this material. Your participation in these discussions will be part of your final grade.

Materials

A three ring binder with dividers is required.

Lab Fees

Please consider donating \$10.00 for the purchase of lab materials.

Class Attendance

Students are expected to attend and participate in class. You are responsible **for all material and announcements made in class**. You are not responsible for material that was not covered in class, **unless it was specifically assigned**. If you are excessively absent, your class participation grade will reflect those absences.

Grading

Your grade for this course will be determined as follows:

Assessments (45%)

Labs/Classwork (50%)

Class participation (5%)

State End of the Course exam (TBD)