

Biology 1030-04 Exploring Life

M-R 7:30 AM – 11:40 AM

Summer 2008

Instructor:

Dr. George Murphy

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Office Hours: Check with Departmental Secretaries at the number above

Texts:

Biology: Concepts and Connections, 5th Ed.2008. Campbell, Reece, Taylor and Simon
Investigations in Biology, 4th Edition, 2001, by Wells, Hemmerly, Mathis and Barlow

Course Topics:

Biology 1030 is an introductory biology course designed for non-majors. We will cover some of the fundamental concepts of biology. I will attempt to make the course relevant to today's world and help you gain the knowledge and skills expected of a college graduate. Recent biological developments have revolutionized entire segments of health care and business and are likely to continue at an incredible rate.

Topics to be covered:

Nature of Science

Diversity of Life

Characteristics of Life

Principles of Adaptation/Evolution

Chemistry of Living Systems

Cell Structure and Function

Cellular Respiration and Photosynthesis

Cell Division

Reproduction and Development

Genetics (Mendelian and Molecular)

Protein Synthesis

Biotechnology

Some Organ Systems- Normal Functioning and Pathology

Ecological Principles

Environmental Concerns

The topics covered will generally follow your text sequence of chapters, but may vary. Laboratory topics will parallel lecture.

Course Grade/Grading Scale:

A ten-point scale is used. A: 100-90; B: 89-80; C: 79-70; D: 69-60; F: 59-0

Four exams of equal weight, final exam with up to 20% material covered on previous exams. There will be no separate lab exams; material will be incorporated in scheduled exams. Any exam missed will be made up on the day of the final. No test scores are “dropped”.

Exam Dates:

Exam # 1 – Monday June 9

Exam # 2 - Monday June 16

Exam # 3 – Monday June 23

Exam # 4- Monday June 30

Final: - Thursday July 3

Laboratory Safety:

No food or beverages are allowed during laboratories. Eye protection must be worn during laboratories where chemicals are being used. Smoking is not permitted in the building.

Student disability services:

If you have a disability that may require assistance or accommodation, or you have questions related to any accommodation for testing, note takers, readers, etc., please speak with me as soon as possible. Students may also contact the Office of Disabled Student Services [KUC 120] (898-2783) with questions about such services.

University drop policy:

Students may drop the course without a grade during the first four weeks of the semester or equivalent. The last day to drop without a grade is June 5. Between the fifth and eighth weeks, or equivalent, a student may drop the class with a “W” as the assigned grade. The last day to drop and receive a “W” is June 16. A student that stops coming to class and does not officially drop the course will receive an “F”.

Survival Tips:**Things move very quickly during Summer Sessions.**

Come to class every day.

Read and try to understand the assigned material.

Be attentive and participate in class and lab.

Take good lecture notes and review them every day.

Ask questions about anything you find confusing or do not understand. Talk to me if you are having problems. I can't help if I don't know you are struggling.

Do not wait until the last minute to prepare for an exam or homework assignment.

Turn in any assigned work on time.