

# Course Syllabus Outline- Fall 2009

**Course Title:** Biology 1053, Principles of Biology I  
MWF 11:10 am-12:00 pm  
Science Auditorium

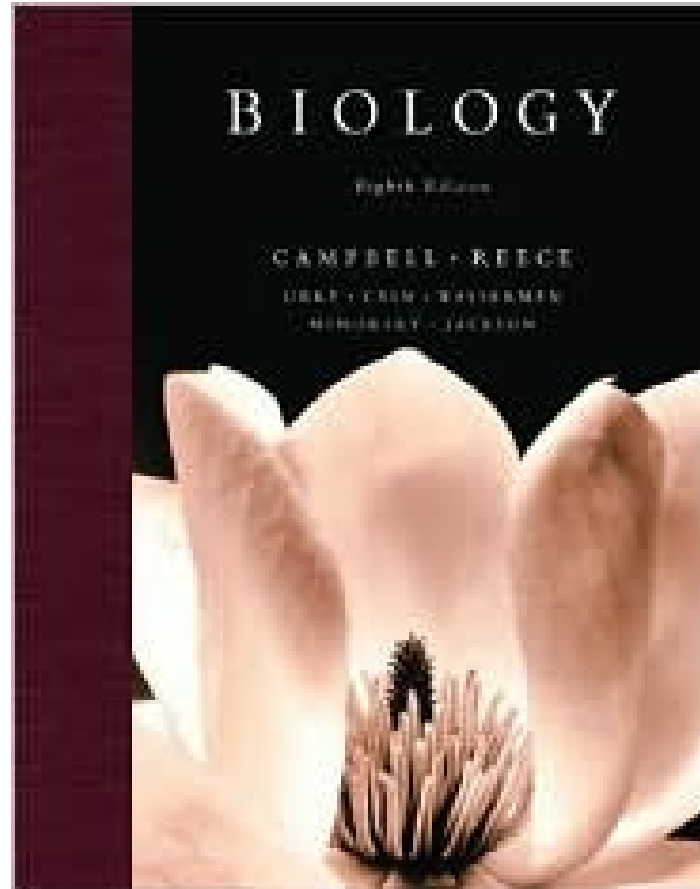
# Course Syllabus Outline- Fall 2009

## **Prerequisites:**

**ACT composite of 20 or BIOL 1063 (Introduction to Biological Science) with a C or above.**

**You may be dropped from this class if you do not have the prerequisites.**

**Text:** Campbell and Reece: *Biology*, 8th Edition



**Instructor:** Karen Fawley, Ph.D.

**Office:** Museum of Natural History

**Office hours:** MW-9:00am-10:00am,  
Th-11am-12pm;2-3:30pm  
Walk in, or by appointment

**E-mail:** fawley@uamont.edu

**Web page:** <http://www.uamont.edu/facultyweb/fawley>

**Phone:** 870-460-1165

**Objectives: This course is designed for biology and other life science majors or minors.**

Upon completion of this course, students should have a general understanding of the scientific method, cellular structure and function, cellular respiration, photosynthesis, and plant and animal form and function.

# Course Outline:

Date	Lecture Topic	Reading	
W	Aug 26	Introduction: Exploring Life	Ch 1
F	Aug 28	The Chemical Context of Life	Ch 2
M	Aug 31	The Chemical Context of Life	Ch 2
W	Sept 2	Water and the Fitness of the Environment	Ch 3
F	Sept 4	Water and the Fitness of the Environment	Ch3
M	Sept 7	LABOR DAY HOLIDAY	
W	Sept 9	Carbon and the Molecular Diversity of Life	Ch 4
F	Sept 11	Structure and Function of Macromolecules	Ch 5
M	Sept 14	Structure and Function of Macromolecules	Ch 5
W	Sept 16	EXAM I	Ch 1-5

Date	Lecture Topic	Reading	
F	Sept 18	A Tour of the Cell	Ch 6
M	Sept 21	A Tour of the Cell	Ch 6
W	Sept 23	Membrane Structure and Function	Ch 7
F	Sept 25	Membrane Structure and Function/ An Introduction to Metabolism	Ch 7,8
M	Sept 28	An Introduction to Metabolism	Ch 8
W	Sept 30	Cellular Respiration- Harvesting Chemical Energy	Ch 9
F	Oct 2	Cellular Respiration- Harvesting Chemical Energy	Ch 9
M	Oct 5	Cellular Respiration- Harvesting Chemical Energy	Ch 9
W	Oct 7	EXAM II	Ch 6-9

Date	Lecture Topic	Reading	
F	Oct 9	Photosynthesis	Ch 10
M	Oct 12	Photosynthesis	Ch 10
W	Oct 14	Plant Structure and Growth	Ch 35
F	Oct 16	Plant Structure and Growth	Ch 35
M	Oct 19	Transport in Vascular Plants	Ch 36
W	Oct 21	Transport in Vascular Plants	Ch 36
F	Oct 23	Angiosperm Reproduction and Biotechnology	Ch 38
M	Oct 26	Angiosperm Reproduction and Biotechnology	Ch 38
W	Oct 28	EXAM III	Ch 10,35-36,38

Date		Lecture Topic	Reading
F	Oct 30	Animal Structure and Function	Ch 40
M	Nov 2	Animal Structure and Function	Ch 40
W	Nov 4	Animal Nutrition	Ch 41
F	Nov 6	Animal Nutrition	Ch 41
M	Nov 9	Circulation and Gas Exchange	Ch 42
W	Nov 11	Circulation and Gas Exchange	Ch 42
F	Nov 13	The Immune System	Ch 43
M	Nov 16	The Immune System	Ch 43
W	Nov 18	EXAM IV	Ch 40-43

Date	Lecture Topic	Reading	
F	Nov 20	Hormones and the Endocrine System	Ch 45
M	Nov 23	Hormones and the Endocrine System	Ch 45
W	Nov 25	THANKSGIVING HOLIDAY	
F	Nov 27	THANKSGIVING HOLIDAY	
M	Nov 30	Reproduction and Development	Ch 46,47
W	Dec 2	Reproduction and Development	Ch 46,47
F	Dec 4	Nervous System	Ch 48
M	Dec 7	Nervous System	Ch 48
W	Dec 9	Nervous System	Ch 49,50
F	Dec 11	Nervous System	Ch 49,50
M	Dec 14	FINAL EXAM (EXAM V) (1:30-3:30pm)	Ch 45-50

# Grading Policy

## Grading scale

90-100	A
80-90	B
70-80	C
60-70	D
Below 60	F

**Basis of final grade:** The final grade will be based on the average of the five lecture exams.

## **Exams:**

The exams will be multiple choice. You will need a scantron sheet and a #2 pencil for each exam.

Exam scores will be posted on the webpage-  
**<http://www.uamont.edu/facultyweb/fawley>** by  
student code number.

## **Class Attendance:**

Attendance is recommended but not required. In general, students who attend class regularly make better grades. As a courtesy to the students in the class and the instructor, please be on time.

## **Rescheduling Exams:**

If you are unable to take an exam at the scheduled time, please notify the instructor well before the day of the exam to reschedule at an earlier time.

## **Make-up Exams:**

No make-up exams will be given, but the student can replace one missed exam with the final exam grade. Students can make-up one exam only, if they have a valid medical or personal excuse. The student must get in contact with the professor before or the day of the scheduled exam. Any additional missed exams will be counted as a zero.

**Cheating:** Cheating will not be tolerated. The policy found on page 63 of the catalog, under Academic Code Violations will be applied to students guilty of cheating on exams.

**Classroom Policies:** Use of tobacco products is not permitted inside the Science Center or within 25 feet of entry doors. Students should not write on the desks. Scores on exams will be posted by a code number assigned on the first exam unless a student requests not to have his/her scores posted.

**Cell phones, pagers, ipods, etc will be turned off during class.**

**The following action is prohibited under the Student Conduct Code: Disorderly Conduct: Any behavior which disrupts the regular or normal functions of the University community, including behavior which breaches the peace or violates the rights of others.**

**It is the policy of the University of Arkansas at Monticello to accommodate individuals with disabilities pursuant to federal law and the University's commitment to equal educational opportunities. It is the responsibility of the student to inform the instructor of any necessary accommodations at the beginning of the course. Any student requiring accommodations should contact the Office of Special Student Services in Harris Hall Room 120; phone 870 460-1026; TDD 870 460-1626; Fax 870 460-1926.**

## Dates to Remember:

Wednesday, August 26	First day of classes.
Tuesday, September 1	Last day to register or add classes.
Monday, September 7	Labor Day Holiday
Friday, October 9	Deadline to apply for May graduation.
Monday, November 9	Preregistration for spring begins
Wednesday, November 11	Last day to drop W.
Friday, November 20	Preregistration for spring ends
Tuesday, November 24	All classes (day, evening, and distance education) will meet as usual.
Wednesday, November 25	Classes closed. University offices open.
Thursday-Friday, November 26-27	Thanksgiving holiday. Campus closed.
Tuesday, December 8	Last day to withdraw from class.
Friday, December 11	Last day of classes.
Monday-Friday, December 14-18	Final exam period.
Wednesday, December 23	Fall conferral of degrees and awards