

Fall 2015

BIOS 1063

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BIOS 1063: Contemporary Biology, Fall 2015

Instructor: Dr. Larry Dew Office: Biology, Room 204
 Phone: 280-6308 lldew@uno.edu
Office Hours: Mondays 12-2 and Wednesdays 12-1

Schedule: Tuesdays and Thursdays 6:00 - 7:15pm in Biology 101
Text: *Essential Biology* 5th edition by **Simon et al.** ISBN#:10: 0-321-96767-4
i>clicker: ISBN#: 0-716779390). Both of these resources are available at the UNO bookstore.

i>clicker allows you to answer questions posed during class, and you will be graded on this in-class participation. In order to receive this credit, you will need to register your i>clicker remote online before the end of the first week of class. You must have come to class and voted on at least one question in order to complete this registration. Once you have voted on a question in class, go to <http://www.iclicker.com/registration>. Complete the fields with your first name, last name, "student ID#" (your UNO address before the @ symbol), and the remote ID. The remote ID is the series of numbers and sometimes letters found on the bottom of the back of your i>clicker remote. i>clicker will be used every day in class, and you are responsible for bringing your remote daily.

Tentative class schedule:

Date/week of	Topics	Text
August 20	Introduction: What is Biology?	Chap 1.
August 24	Classification, Microbiology	Chap 2.
August 31	Prokaryotes	Chap 2.
September 8	Protists and early plants	Chap 3.
September 14	Higher plants, Fungi	Chap 3.
September 22	Exam 1	
September 24	Animals	Chap 4.
September 28	Animals continued	Chap 4.
October 5	Inheritance & Genetics	Chap 12, 13.
October 12	Exam 2	
October 15	Fall Break – no class today	
October 20	How Evolution Works	Chap 17.
October 26	Evolution of Populations	Chap 17, 18.
November 2	Speciation and Biodiversity	Chap 19
November 10	The History of Life	Chap 20.
November 16	Exam 3	
November 18	The Biosphere	Chap 21
November 23	Communities and Ecosystems	Chap 23, 24
November 25, 27	Thanksgiving Holiday - no class today	
November 30	Global Change	Chap 25.
December 3	Exam 4	
Exam Week: Optional Cumulative Final Exam		

Course Grading:

Four exams: 25% each. These are not cumulative. Each covers about ¼ of the total course content. An *optional* cumulative final exam will also be offered. Class attendance/participation: 25%. This will be determined with daily iclicker scores, participation in class, and in periodic homework/service learning opportunities. For each hour of service learning you complete I will add one point to an exam grade. I will *drop* the lowest grade on your record, that may be an exam or it may be your participation grade. **At least 13 hours of work on environmental service projects of your choice are required for a passing grade in this class. Students who complete at least 25 hours of service will get their two lowest grades dropped.**

Student Conduct: Class starts at 6:00 and ends at 7:15. University policy states that roll must be taken in all 1000 and 2000 level courses. I am required by the university registrar's office to report any students that have excessive absenteeism. Arriving late or leaving early is worse than not coming at all.

Academic Integrity: Academic integrity is fundamental in the process of learning and evaluating academic performance. Signing for another student on the attendance sheet is considered an act of academic dishonesty similar to cheating.

Any act of Academic dishonesty will not be tolerated and will result in severe consequences that will remain a part of your academic record.

Students with disabilities: It is University policy to make every reasonable effort to accommodate students with disabilities. If you have a disability, please contact the Office of Disability Services, 280-6222 or 280-7284.

ALL cell phones must be turned off during class. Websites/texts/chats and social media must be offline during class. If a student is wasting your time and tuition with these distractions, please let the professor know. Students who distract others texting, web-surfing, or talking during class will be removed.

Bios 1063 Student Learning Goals

Describe and summarize facts, principles, and concepts about the diversity of life on Earth, how it evolved over time, and the ways that humans are affecting it.

Use evidence and logic to connect ideas and information linking genetics with evolutionary change, and linking biological and industrial processes with ecological and geological effects.

Understand and be able to explain how and why we study ecology, evolutionary biology, conservation biology, and environmental science.

Additional Issues to consider:

- Lectures outlines will be put up on Moodle after each class. (See <http://uno.mrooms3.net/>) Study these and compare them with your written notes after each class.
- Read the relevant book chapters before each class in order to do best on the iclicker questions of the day.
- Students are expected to access Moodle frequently for announcements regarding exams, helpful internet links, etc.
- At <http://www.moodlerooms.com/resources/tutorials/participate/> you will find topics such as how to login, and a list of frequently asked questions.
- Plan your study time to learn and master the material each week. Do **not** wait until a few days before scheduled exams.