

Introduction to Biology II – Syllabus Fall 2015

INSTRUCTOR: Dr. Charles J. Venglarik “Dr V”
Office hours: T/R 9 AM to 12 PM & Friday 1 to 2:30 PM
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COURSE DESCRIPTION: Biology 102 is the second of a two-sequence course designed for non-science majors. This course covers evolutionary principles and relationships, environmental and ecological topics, organismal classification and a survey of biodiversity. **Lab is required.**

TEXTBOOK (Recommended) *Essential Biology with Physiology 4th Edition*, Simon, E. J, J. L. Dickey and J. B. Reece, Pearson Higher Education, San Francisco, 2013. (ISBN-13 978-0-321-77260-2) or *Concepts of Biology* (free e-text from: <https://www.openstaxcollege.org/textbooks/concepts-of-biology>)

LABORATORY MANUAL (Required): *Inquiry into Life 13th Edition* S. S. Mader, McGraw-Hill, Boston, MA, 2011. (ISBN-13 978-0-07-749562-6).

DISSECTION: Students are expected to dissect and/or examine preserved specimens in the laboratory. Old clothes or a lab coat, goggles and non-sterile latex gloves are required during these activities. Gloves and Goggles will be provided or may be obtained from pharmacy or home improvement stores. Proper techniques and safety must be observed at all times. No food or drinks are permitted in the laboratory.

ATTENDANCE: Students are expected to attend all classes for which they are registered. Students who are unable to attend class regularly, regardless of the reason or circumstance, should withdraw from that class before poor attendance interferes with the student’s ability to achieve the objectives required in the course. Withdrawal from class can affect eligibility for certain federal financial aid.

GRADING:

		A = 90% to 100%
		B = 80% to 89%
		C = 70% to 79%
		D = 60% to 69%
		F = < 59%
3 Lecture Exams @ 100 points each	=	300
Lab and/or Homework Assignments	=	50
2 Lab Quizzes @ 15 points each	=	30
2 Laboratory Exams @ 60 points each	=	120
Comprehensive Final Lecture Exam	=	<u>150</u>
Total possible:	=	650

Last day for automatic W is Nov 14

One make-up lecture exam is permitted per student if the instructor is notified by email within 6 hours of the absence AND given a proper written excuse. Make-up exams will be scheduled at the convenience of the instructor and will automatically result in loss of one letter grade (10%) except for cases involving extreme hardships (hospitalization or death). **There are no make-up quizzes or lab exams.** Missing a quiz or exam and any other incomplete assignment will result in a grade of zero.

STATEMENT ON DISCRIMINATION /HARASSMENT: The College and the Alabama State Board of Education are committed to provide both employment and educational environments free of harassment or discrimination related to an individual’s race, color, gender, religion, national origin, age or disability. Such harassment is a violation of State Board of Education policy. Any practice or behavior that constitutes harassment or discrimination will not be tolerated.

WEEKLY SCHEDULE

DATE	LECTURE TOPIC	Chapt	LABORATORY
Aug 21	Introductions		
Aug 28	Historical Evolutionary Theory and Modern Synthesis	13	Evidence for evolution and Hominin evolution
Sept 4	Microevolution and Speciation	13 14	Protista
Sept 11	History of the Earth and Macroevolution	14	Protista & Fungi
Sept 18	1st Lecture Exam		Plants
Sept 25	Origin of Life and Earth's History Microbes	15	Plants
Oct 2	Protista and Fungi	15/16	Laboratory Quiz 1
Oct 9	Plants	16	Laboratory Midterm
Oct 16	2nd Lecture Exam		Invertebrates
Oct 23	Animalia/ Invertebrates	17	Invertebrates
Oct 30	Animalia/ Invertebrates	17	Invertebrates
Nov 6	Animalia/ Chordates	17	Chordates
Nov 13	3rd Lecture Exam		Vertebrates
Nov 20	Introduction to Ecology	18	Ecology
Nov 27	Thanksgiving Break – College Closed		
Dec 4	Population Ecology	19	Laboratory Quiz 2
Dec 11	Communities and Ecosystems	20	Laboratory Final
Dec 18	FINAL EXAM		

This is a tentative schedule; therefore, topics and exam dates are subject to change. Some of the material covered in this course is not found in the lecture textbook or laboratory manual.

The Rehabilitation Act of 1973 (Section 504) and the Americans with Disabilities Act of 1990 state that qualified students with disabilities who meet the essential functions and academic requirements are entitled to reasonable accommodations. It is the student's responsibility to provide appropriate disability documentation to the College. Students having known disabilities should contact the ADA Accommodations Office for an appointment (856-6077).