THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF BIOLOGICAL SCIENCES

Course #:	BIOL 1306, CRN 21646
Course Title:	Organismal Biology
Credit Hrs:	3 credit hours, lower division
Term:	Spring 2016
Course Meetings & Location:	MW 1:30-2:50 PM, Physical Sciences Bldg 115
Prerequisite Courses:	BIOL 1305-1107 or equivalent; Co-enrollment in, or previous "C or better"completion of BIO 1108, is required.

Instructor:	Dr. Carl S. Lieb
Office Location:	"Old" Biology Building B-204
Contact Info:	747-6987 Email: clieb@utep.edu Coming in person to my office or using the telephone are the most reliable means for time-sensitive communications. If insist on using email, and do not receive a reply to an email within a few days, resend.
Office Hrs:	MW: 9:30-10:30AM, TR; 10-11AM
Required Textbook:	Hillis, Sadava, Heller, Price *Principles of Life*, 2nd Edition.

Course Objectives (Learning Outcomes): There are three principal course objectives: 1) Students will be brought to a basic understanding of the principles of evolution and biosystematics. 2) Students will be exposed to the general pattern of planetary biodiversity through a survey of major organismal groups. 3) Students will begin to analyze the problems that all organisms must solve by study of selected cases in animal and plant physiology. These three objectives are intended to finish the foundation of basic introductory biology laid down in the prerequisite course (BIOL 1305-1107), and, in concert with the BIOL 1306 laboratory course (BIOL 1108), prepare students for taking all sophomore and upper division courses in the biological sciences.

Course Activities/Assignments: This edition of BIOL 1306 is a lecture course; course content is delivered by lecture presentation by the instructor, class discussion, or (rarely) by special assignment. Chapter readings assigned in the designated class text book will supplement the lecture sessions for purposes of clarity and completeness. See Class Schedule, below, for the textbook readings in the order in which general topics are taken up. Should we fall behind in the calendar schedule of topics, examinations will track where we are in the lecture content, not necessarily in the schedule.

Assessment of Learning: Evaluation will be through three in-class examinations and a comprehensive Final Examination. The examinations contribute proportionately to the final grade as indicated below (none are "dropped"). There is no extra credit of any kind.

Grading Policy: Examinations I-III will be given on the following dates, and will be contributing to the final grade as indicated:

Exam I (20%) – 15 February 2016
Exam II (30%) – 23 March 2016
Exam III (30%) – 18 April 2016

Failure to take Exam I (and report in prompt fashion to the instructor; see "no show" policy below) may result in the student being arbitrarily dropped from the class roll. A comprehensive Final

Examination will be given on Wednesday, 11 May at starting at 4PM. It will represent the 20% of the total grade *and must be taken to pass the course*.

Examination "no show" Policy – A missed lecture examination contributes zero percent toward the student's final course grade, and thus represents a serious perturbation in his/her class progress and a likely catastrophe for grade expectations. Such problems will be handled on a case-by-case basis at the discretion of Dr. Lieb, who nevertheless **insists** that the following two rules be observed: **1**) If a student must miss an examination because of illness, death in the family, University-sponsored event, or other legitimate reason, he or she must contact Dr. Lieb **in person or by telephone** (747-6987), either BEFORE the test or **WITHIN 48 HOURS following the time of the start of the examination (and BEFORE the next class period** for examinations other than the Final); and **2**) the student must make arrangements within one week to personally discuss the situation with Dr. Lieb and arrange an immediate disposition of the case. DO NOT RELY ON EMAIL FOR THESE COMMUNICATIONS!

Drop Policy -- The student drop date is 1 April 2016. The results of the first two lecture examinations will be known by that time, and students are thus expected to act wisely in their own interest. Neither Dr. Lieb (nor the Teaching Assistant in BIOL 1108) will drop a student who has taken any examinations, turned in any written work, or has been recorded as coming to class even once; withdrawal action must be taken by the student's own initiative by this 1 April deadline. The Office of the Dean of Science is currently declining to accept "W's" for students after the drop deadline except in cases of total withdrawal from the University. Thus, students who find themselves in academic trouble during the semester should promptly consult with their instructors so that their options can be explored (in other words, don't wait until the end of the semester to relate a tale of woe).

Attendance Policy: *Failure to attend class is the number one cause of academic failure in introductory science courses.* **On time attendance at every class meeting by every student is perforce required.** In attendance or not, students are held responsible for all materials presented, discussed, or assigned during class time.

Academic Integrity Policy: Despite his outward cynicism, Dr. Lieb more-or-less believes in the general goodness and honesty of his fellow human beings. Nevertheless, those who try to shatter his illusions and betray the norms of academic integrity will be turned in to the Dean of Students for disciplinary action. You may review UTEP policy in these matters at http://academics.utep.edu/Default.aspx?tabid=23785.

Civility Policy: Civility between the members of the class, and between the instructor and the students, is expected. Please use temperate language when speaking to one another and with Dr. Lieb. Silence your cell phone before entering the classroom; please do not take calls during class time. Avoid all noisy endeavors not related to the matter at hand (talking, eating, snapping chewing gum, and, of course, snoring).

Your instructor will do his best to be there by the start of the class, please emulate him with timely appearances as well. *Nevertheless, he would prefer you to be a few minutes late to being completely absent for the entire period (as a rare event, not something that happens frequently!).* The general rule is: if you must enter or leave the room when class is in session, do so as quietly and quickly as possible.

Disability Policy: If a student has or suspects he/she has a disability and needs an accommodation, he/she should contact the Center for Accommodations and Support Services (CASS, 747-5148) or go to cass@utep.edu or go to Room 106 Union East Building. Your instructor is familiar with the

operations and procedures of CASS: the student, however, is responsible for presenting to the instructor any accommodation letters and associated instructions.

Military Call-up: The instructor understands that students engaged in military service may be called up and deployed at any time. Please consult with Dr. Lieb as soon as your orders come through, so what arrangements for completion or suspension of your academic work can be implemented.

Course Schedule

The ambitious schedule of lecture topics below may be subject to modification as the semester deteriorates. **Examination dates, however, are fixed.** The readings refer to the 1306 textbook cited above (Hillis *et al*. 2nd edition). These reading are intended to facilitate and/or add depth to the students' understanding of classroom and laboratory material until enlightenment is attained. **Reading the text, however, cannot and will not substitute for faithful attendance at the lecture sessions, taking satisfactory notes, and thoroughly mastering the biology content of those notes.**

18 January-3 February - Chapter 15 (Processes of Evolution), Chapter 16 (Reconstructing and Using Phylogenies), Chapter 17 (Speciation); Chapter 18 (History of Life on Earth)

8 -15 February- Chapter 19 (Bacteria, Archaea, and Viruses), Chapter 20 (Protists)

15 February – Examination I

17 February – Papal visit to Cd. Juarez (no classes)

22 February – Chapter 22 (Evolution and Diversity of Fungi)

24 February – 21 March Chapter 21 (Evolution and Diversity of Plants), Chapter 24 (The Plant Body), Chapter 24 (Plant Nutrition), Chapter 26 (Plant Growth and Development), Chapter 27 (Reproduction in Flowering Plants)

23 March – Examination II

28 March – 13 April Chapter 23 (Animal Origins and Diversity), Chapter 29 (Homeostasis), Chapter 36 (Water and Salt Balance), Chapter 34 (Nervous Systems), Chapter 31 (Breathing [time permitting])

18 April – Examination III

20 April – 6 May - Chapter 40 (Animal Behavior), Chapter 41 (Biomes), Chapter 42 (Populations), Chapter 43 (Symbiosis), Chapter 44 (Communities), Chapter 45 (Ecosystems)

11 May (Wednesday) @ 4:00-6:45 PM – Required Comprehensive Final Examination (location: in regular classroom, (PSCI 115)