BIOL 303L LAB SYLLABUS

PRE/CO-REQUISITE COURSES:

All students must have received a 'C' or better in BIOL 2110C, BIOL 2410C, CHEM 1215/1215L, and CHEM 1225/1225L.
All students must have received a 'C' or better or be co-registered in MATH 1430 or 1512.

REQUIRED MATERIALS:

Lab manual and iClicker should be brought to each Lab Section.

Biology 303L Ecology & Evolution: Lab Manual – Spring 2020, Council-Garcia *et al.* – Available at the Dane Smith Hall Copy Center.

Biological Science 6th Edition, Freeman (Vervet Monkey cover) – Available at the UNM Bookstore.

iClicker – Available at the UNM Bookstore.

GRADING:

Your grade will be based on Pre-lab Assignments, iClicker Quizzes, Research Briefs, and EASE Workshops. BIOL 303L is a 1-credit course completed in tandem with BIOL 303 (Lecture Course). You are responsible for actively tracking your grade on UNM Learn. If you have lab grade concerns, make sure to address them with your TA or lab coordinator as soon as possible upon receiving your graded work. After 3 weeks from the due date, a lab assignment grade will be considered permanent. You are responsible for adhering to University of New Mexico grade policies (refer to UNM Catalog). This class is not offered for Credit/No Credit.

WITHDRAWAL POLICY:

This course can be dropped without receiving a 'W' up until the end of Week 3 (Feb 07). After Feb 07, students will receive a 'W' at the time of withdrawal.

STUDENT EXPECTATIONS:

Students are required to arrive at Lab Sections on time. Please silence all communication devices while attending Lab Sections. Research Briefs will be turned in at the start of the Lab Section. Research Briefs will be considered late 5 minutes after the start of Lab Section. Students are expected to be present for the entire two hours and fifty minutes scheduled.

Students should review their Lab Manuals prior to attending Lab Section. Supplemental course materials and Pre-lab Assignments will be posted on UNM Learn. Please read the relevant materials prior to class, and answer all assigned problems.

STUDENT LAB GROUPS:

Student Lab Groups will be assigned during the second and eighth Labs. You are required to work with your group throughout the semester on a variety of assignments. It is important to learn to work cohesively within your group, because many Lab activities will depend on group cooperation.

PRE-LAB ASSIGNMENTS:

Pre-lab materials will be posted before each lab on UNM Learn. Materials for each lab will be posted prior to that lab. Your Lab Manual contains a set of guided reading questions to answer while working through these pre-lab materials. Each Pre-lab Assignment will consist of questions about these pre-lab materials and the exercises you will complete in the upcoming lab. Pre-lab Warmups will become active on the Friday prior to a lab and will stay open until 11:59PM the Tuesday prior to the lab. It is your responsibility to check UNM Learn and

complete the Pre-lab Assignment before each lab. Pre-lab Assignments will not be reopened due to student forgetfulness.

EASE WORKSHOPS:

Every student in BIOL 303L is required to complete two Essential Academic Skill Enhancement (EASE) Workshops. Information on these workshops can be found on UNM Learn. Orange Cards cannot be used for EASE Workshops, and there are no make-ups for EASE workshops.

The Advanced Library Research Workshop will be offered during W03 & W04 (Feb 03 – Feb 13). Students must register for this workshop online using the link found on UNM Learn. Each workshop has limited seating and students are encouraged to register early to accommodate their schedules. Students will not be admitted if they arrive late to their scheduled workshop.

The Basic Excel Online Workshop will be offered on UNM Learn during W02 (Jan 27 – Jan 31). Students do not need to register for this workshop, but all students must complete the workshop before 11:59pm on Jan 31.

ICLICKER QUIZZES:

Every lab will include a series of iClicker questions as part of the presentation. These quizzes are designed to test your knowledge and comprehension of the pre-lab materials.

RESEARCH BRIEFS:

Research Brief assignments will be posted on UNM Learn. It is your responsibility to check the website after each lab, download the appropriate assignment, complete the assignment, and turn it in at the start of the next lab. These Research Briefs have a 2-page maximum (not including figures). Some Research Briefs will be written as though they were in a peer-reviewed journal format, while others will be in the format of a series of guided questions about the research activities conducted in a lab. Each Research Brief assignment will include a rubric to help you write about why the main question is important, your hypothesis, description of the experiment, results and analyses obtained, discussion, and conclusions.

All work must be typed in 12 pt. 'Times' font, single-spaced, with 1" margins. All assignments must have the student's name, TA's name, and section number at the top of each assignment. Please print assignments double-sided whenever possible. Handwritten or emailed assignments will receive no credit.

LATE ASSIGNMENTS:

Assignments are considered late if they are not turned in at the beginning of Lab Section. If an assignment is turned in 5 minutes after Lab Section has started it is late and will receive a zero. (See Orange Card Policy below)

ATTENDANCE:

Attendance at all Lab Sections is required. Students are responsible for notifying their TAs prior to, or immediately after, missing a Lab Section. Failure to notify your TA and obtain an excused absence will result in a zero for the iQuiz and Research Brief associated with that lab. Using an Orange Card to turn in an assignment, but not stay for lab is considered an unexcused absence. There are no make-up quizzes or assignments should you have an unexcused absence. If a student does not attend a lab they must still turn in any assignments due using an Orange Card or they will not receive credit (See Orange Card Policy below)

ORANGE CARD POLICY:

An Orange Card can be used to make up a missed lab or turn in late assignments. Each student can be issued a maximum of 2 Orange Cards/semester. Orange Cards can be obtained from Biology Prep (CAST 68) using a valid ID. An Orange Card may be used to attend a different Discussion Section, or turn in assignments in another Discussion Section. Orange Cards must be used to turn in assignments or attend another Discussion Section in the same partial week. Please review the full Orange Card Policy posted on UNM Learn.

ACADEMIC INTEGRITY STATEMENT:

Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or otherwise fails to meet the standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course.

Academic dishonesty includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.

ACCOMMODATION STATEMENT:

In accordance with University Policy 2310 and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as he/she are not legally permitted to inquire. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow. Contact Accessibility Resource Center at 277-3506 for additional information.

TITLE IX STATEMENT:

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see pg 15 - http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: https://policy.unm.edu/university-policies/2000/2740.html

CITIZENSHIP STATUS STATEMENT:

All students are welcome in this class regardless of citizenship, residency, or immigration status. Your Lab Coordinator will respect your privacy if you choose to disclose your status. UNM as an institution has made a commitment to the success of all our students, including members of our undocumented community. The UNM Administrator's welcome message is available at undocumented.unm.edu

Week	Date	Topic and Assignments
01	Jan 22 – Jan 24	No Lab Section
02	Jan 29 – Jan 31	Topic: Quantitative Skills II (p. 9) Due: IQ-01
03	Feb 05 – Feb 07	Topic: Quantitative Skills I (p. 1) Due: IQ-02, RB-02
04	Feb 12 – Feb 14	Topic: Behavioral Ecology (p. 99) Due: IQ-03, RB-01
05	Feb 19 – Feb 21	Topic: Population Dynamics (p. 111) Due: IQ-04, RB-09
06	Feb 26 – Feb 28	Topic: Drivers of Biodiversity (p. 139) Due: IQ-05, RB-10
07	Mar 04 – Mar 06	Topic: Species Interactions (p. 123) Due: IQ-06, RB-11
08	Mar 11 – Mar 13	Topic: Non-Selective Mechanisms (p. 21) Due: IQ-07, RB-12
09	Mar 18 – Mar 20	No Lab Section – Spring Break
10	Mar 25 – Mar 27	Topic: Selection (p. 43) Due: IQ-08, RB-03
11	Apr 01 – Apr 03	Topic: Sexual Dimorphism and Behavior (p. 53) Due: IQ-09, RB-07
12	Apr 08 – Apr 10	Topic: Phylogenetics (p. 65) Due: IQ-10, RB-04
13	Apr 15 – Apr 17	Topic: Speciation and Extinction (p. 77) Due: IQ-11, RB-05
14	Apr 22 – Apr 24	Topic: The Coevolutionary Process (p. 87) Due: IQ-12, RB-06
15	Apr 29 – May 01	Topic: Ecosystem Dynamics (p. 147) Due: IQ-13, RB-08
16	May 06 – May 08	Topic: Conservation Biology (p. 157) Due: IQ-14, RB-13, RB-14
17	May 13 – May 15	No Lab Section – Finals