202-IN2-001-HAN

BIOL 202L DISCUSSION SYLLABUS

Spring 2018

PRE/CO-REQUISITE COURSES:

All students must have received a 'C' or better in BIOL 201L and CHEM 121/123L.
All students must have received a 'C' or better or be co-registered in CHEM 122/124L.

REQUIRED MATERIALS:

Both required texts should be brought to each Discussion Section.

Biology 202L Genetics: Discussion Manual – Fall 2017/Spring 2018, Council-Garcia, Eppig, & Pettit – Available at the Dane Smith Hall Copy Center.

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

GRADING:

The Discussion section will count as 25% of your final grade in BIOL 202L. Your discussion grade will be based on in-class activities, presentations, skills workshops, homework, and an annotated bibliography. You are responsible for actively tracking your grade. 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 02). After Feb 02, you will receive a 'W' at the time you withdraw.

STUDENT EXPECTATIONS:

Students are required to arrive at Discussion Sections on time. Please silence all communication devices while attending Discussion Sections. Homework will be turned in at the start of the Discussion Section. Homework will be considered late 5 minutes after the start of Discussion Section. Students are expected to be present for the entire seventy-five minutes scheduled.

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

STUDENT DISCUSSION GROUPS:

Student Discussion Groups will be assigned during the first and eighth Discussions. 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 Discussion activities will depend on group cooperation.

PRESENTATIONS:

Each student will present one 2-3 minute informal presentation on a peer-reviewed scientific journal article that covers a current topic in genetics. Students may not present on the same topic as their Annotated Bibliography. Presentation dates will be assigned at the start of the semester – if a student declines to present, or is not present for their assigned presentation date, they will receive a zero.

EASE WORKSHOPS:

Every student in BIOL 202L 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 Library Research Strategies Workshop will be offered during Weeks 3 & 4 (Jan 29 – Feb 09). 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 Critical Thinking Online Workshop will be offered on UNM Learn during Weeks 2 & 3 (Jan 22 – Feb 02). Students do not need to register for this workshop, but all students must complete the workshop before 11:59pm on Feb 02.

LECTURE HOMEWORK:

Lecture homework will be posted weekly on UNM Learn – there will be 10 Homework Assignments (10 points each) assigned during the semester. These assignments will count toward the Discussion portion of your grade. It is the student's responsibility to check UNM Learn each week, download the appropriate homework, complete it, and turn it in to their Discussion Section on time. Answers must include clear, concise explanations – short phrase answers will not receive credit. Students must show all work they have done to answer a question. Language, communication, and math are vital components of biology, therefore students are expected to write clearly and express ideas logically. Poorly written or unclear work will be penalized when graded.

All work must be typed in 12 pt. 'Times' font, single-spaced, with 1" margins in either bold or italics (to easily distinguish answers from questions). 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. If there is a significant amount of work to be done to answer a question – the Homework will indicate that you should attach that work to the assignment – these attached 'work shown' pages do not need to be typed.

ANNOTATED BIBLIOGRAPHY:

The Annotated Bibliography consists of 3 assignments over the course of the semester. Each assignment requires the student to attach their previously graded assignments – so be sure to retain all graded components of this assignment.

A Bibliography Topic will be selected by each student and submitted for approval by their TA by 11:59pm on Feb 09.

A Single Annotation of one paper is due at the beginning of Discussion Section during Week 8 (Mar 5 – Mar 09).

The completed Annotated Bibliography is due at the beginning of Discussion section during Week 15 (Apr 23 – Apr 27).

LATE ASSIGNMENTS:

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

ATTENDANCE:

Attendance at all Discussion Sections is required. Students are responsible for notifying their TAs prior to, or immediately after, missing a Discussion Section. (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 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

Week	Date	Topic and Assignments
1	15 Jan	No Discussion Section – Start of Semester
2	22 Jan	Topic: Meiosis (p. 15) Assigned: EASE Workshops, Discussion Activity 1, Current Genetics Due: Homework 1
3	29 Jan	Topic: Inheritance (p. 49) Assigned: Discussion Activity 2 Due: Homework 2
4	5 Feb	Topic: Chi-Square Analysis (p. 29) Assigned: Discussion Activity 3 Due: Bibliography Topic
5	12 Feb	Topic: Crossing Over (p. 37) Assigned: Discussion Activity 4 Due: Homework 3
6	19 Feb	Topic: DNA Replication (p. 69) Assigned: Discussion Activity 5 Due: Homework 4
7	26 Feb	Topic: Transcription and Translation (p. 77) Assigned: Discussion Activity 6 Due: Homework 5
8	5 Mar	Topic: Mutation (p. 89) Assigned: Discussion Activity 7 Due: Single Annotation
9	12 Mar	No Discussion Section – Spring Break
10	19 Mar	Topic: Prokaryotic Regulation of Gene Expression (p. 97) Assigned: Discussion Activity 8 Due:
11	26 Mar	Topic: Eukaryotic Genetics (p. 107) Assigned: Discussion Activity 9 Due: Homework 6
12	2 Apr	Topic: Eukaryotic Gene Regulation (p. 135) Assigned: Discussion Activity 10 Due: Homework 7
13	9 Apr	Topic: Development (p. 131) Assigned: Discussion Activity 11 Due: Homework 8
14	16 Apr	Topic: Recombinant DNA Techniques (p. 115) Assigned: Discussion Activity 12 Due: Homework 9
15	23 Apr	Topic: RNA Sequencing (p. 141) Assigned: Discussion Activity 13 Due: Homework 10, Annotated Bibliography
16	30 Apr	Topic: Eukaryotic Genomics (p. 123) Assigned: Discussion Activity 14 Due:
17	7 May	No Discussion Section – Finals Week