

# Genetics Lecture Syllabus, Spring 2020

## BIOL 3451-001, 8AM, BLB 180

## Biol 3451-002, 2PM, CHEM 109

**Instructor:** Dr. Jessica Moore

**Office Hours:** Tues 11:00am —12:00 noon  
Wed 1:00—3:00 pm. And by Appointment, email for an appointment!

**Office:** LIF 126C (in the Biology Advising Suite in LIFA 128)

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**Prerequisites:** Intro Bio I and II with a grade of C or better. At least 1 lecture /lab at the 2000 level and Organic Chem I (may be taken concurrently).

**Required Textbook:** Genetics: A Conceptual Approach by Benjamin A Pierce, 6<sup>th</sup> edition. This book is available for purchase or rental at the UNT bookstore and can also be bought or rented from various local and on-line retailers. Readings from the textbook will be announced and will follow the topic order in the course schedule. In order for you to get the most out of the lecture, it is important that you complete the assigned readings before coming to class since lectures will build on the reading assignment.

### Electronic devices and other rules of in-class etiquette:

- *Use of electronic devices for social and/or recreational purposes during class is strictly prohibited.* Cellular devices should be silenced and put away before the beginning of each class. The use of cell phones and **programmable** calculators is absolutely **prohibited during exams**. Use of these items during an exam will result in a failure (F grade) for the exam.
- *Try to be on time (early) to class and **avoid leaving the classroom during class unless it is absolutely necessary**.* It is very distracting to me and your classmates if you are walking around and coming in and out of the classroom. If you have a medical condition or know that you are going to have to leave the room, please sit near the door to minimize the disturbance to the rest of the class.
- *Be respectful to your professor and classmates.* This includes *attending class regularly* and being *engaged and attentive*. **Please do not have whispered conversations during lecture!**
- *If you communicate via email, please be respectful and use proper English.* A little courtesy goes a long way! *Note:* you should always address female professors as Dr or Professor. It is disrespectful and incorrect to address them as “Miss or Mrs”.

**iClicker:** We will be using questions polled by iclicker to record attendance this semester. Each student should go to the iclicker website : [www.iclicker.com](http://www.iclicker.com) create an account. **Please use your UNT email and enter your EUID [the 3 letters plus 3 numbers] in the Student ID space.**

To add this course to your course list select UNT as your institution

Then search for **SP20 Biol 3451-001 Moore** (for the 8am class),

**SP20 Biol 3451-002 Moore** (for the 2pm class)

*Please note that the misuse of iclicker participation will be considered a violation of student conduct and will be considered cheating. Misuse includes logging in from anywhere outside of the classroom, submitting answers when you are absent or having someone else submit answers for you.*

**Attendance:** During each class there will be a question posted that you will answer using the iclicker app. Answering this question is worth 0.5 attendance points up to 10 points total. You will earn the full 10 attendance points by participating on at least 20 of the 24 times we meet for lecture. Exam days, including the final exam do not count towards attendance points. *This semester there will be a zero tolerance policy about the use of iclicker. You MUST be in class with a working app to participate in the attendance question. No excuses or screen shots will be accepted as attendance credit.*

**Canvas:** I will utilize our course page on Canvas for much of our course information. Make sure you can access this site as soon as possible and alert me to any difficulties immediately. You will find a copy of this syllabus and other course materials (including online assignments, answer keys, supplementary materials, videos, and my lecture slides\*) on Canvas. I will also do my best to keep the Canvas gradebook up to date and accurate. Please notify me of any possible errors of graded assignments on Canvas as soon as possible and be prepared to bring the actual assignment to me as proof of the grade record error.

\*I will make every attempt possible to post my lecture slides on Canvas before the corresponding lectures so that they may be printed before class. This is a courtesy, not an obligation, and I reserve the right to change slides after posting them and revoke this luxury altogether.

### **Online Assignments = graded homework:**

Online homework assignments will be posted on Canvas in the form of “Quizzes”. You are allowed to use course materials when taking the quizzes, this includes your textbook, lecture notes and your handwritten notes. You are not allowed to ‘google’ or otherwise search the web for answers. **You should not ask other students for the answers.** These assignments are intended to help YOU learn the material. Send me an email if you are locked out or have other computer difficulties that prevent you from completing the assignments on time. If your computer is having issues or your wifi is a problem, **remember that there are computers in the library and elsewhere on campus that you can use. You will have several days to complete these assignments-do not wait until the last 10 minutes to do them!** This semester there will be no excused ‘make-ups’ of the online assignment except for people with a medical or other university-accepted excuse for the *entire* time that the assignment was available.

**Graded homework will not be accepted after the Answer Keys have been posted or given out in class!**

**Non-graded problems--**Recommended end-of-chapter problems will be assigned throughout the semester. *You will not be handing these in for credit*, but you will be expected to solve them. Do not ignore these or just read the solutions!

**TIP: Homework problems, graded or non-graded, often appear on exams, sometimes with only minor changes!**

**Lecture Notes:** Most lectures will be posted as **pdf's** on Canvas the day before the class meeting. Lecture notes do NOT contain the full information provided in class and it is your job to obtain this extra information—preferably by being present in the classroom! You may tape the lecture, but Notes or tapes of lectures are not permitted for the purpose of resale. **I Highly recommend** that you print and bring the lecture notes to class to write on! Refer to the “How to print lecture notes” document for tips on printing multiple slides per page as a pdf.

**Exams:** There will be four in-class exams [**Exams 1-4**] and one cumulative final exam. The lowest score you earn on **Exams 1-4** will be dropped. You must take the **Final Exam**. I recommend that you take ALL exams so you at least have the chance to practice answering questions on the material, even if you plan to drop that exam. Since you are able to drop one of Exams 1-4, there will no make-up exams. The **Final Exam** is a mandatory exam and may not be ‘dropped’. The **Final Exam** is cumulative, covering all material from the semester.

**EXAMS ARE SCHEDULED FOR THE FOLLOWING DATES**

<b>WHAT:</b>	<b>WHEN:</b>
<b>Exam 1:</b>	Tuesday, Feb 4 Regular Class Time
<b>Exam 2:</b>	Tuesday, March 3 Regular Class Time
<b>Exam 3:</b>	Thursday April 2 Regular Class Time
<b>Exam 4:</b>	Tuesday, April 28 Regular Class Time

Final Exam, Section 001	Tuesday, May 5, 8:00—10:00am
Final Exam, Section 002	Thursday, May 7, 1:30—3:30pm

**All exams are in our regular classroom!**

**Procedure for Exams:**

- 1) **Seating:** We may have special seating procedures for exams. Please follow the directions of the exam proctors as you enter the classroom.
- 2) **Remember to bring pencil & eraser, photo ID, a simple calculator, and know your student ID #.**
- 3) **Only individuals that are officially registered for Biol 3451 are allowed in the room during exams.** No children or other guests may be present during an exam.
- 4) **Use of any electronic devices during exams will be strictly prohibited.** This means no cell phones, no pagers, no PDAs, **no programmable calculators and no headphones!** Only basic calculators will be allowed that can add, subtract, multiply and divide. No sharing of calculators will be permitted.
- 5) **I reserve the right to ask anyone to move during an exam.** This is not necessarily an implication that you are cheating. If you are asked to move that usually means that I suspect someone nearby has wandering eyes.

**Grades**

<b>Exams 1-4 (your 3 best scores)</b>	<b>300 pts</b>
<b>Final Exam (mandatory!)</b>	<b>100 pts</b>
<b>Homework</b>	<b>80 pts</b>
<b>Attendance</b>	<b>10 pts</b>
<b>Total Possible Points</b>	<b>490 pts</b>

**Final Grades** will be assigned based on the percentage of the total points you earn in the class. There will be no curving of grades, so do not ask.

A = 441--490	B = 392-340	
C = 342-339	D = 294-341	F = less than 294

**Make-Up Policy:** Make-up exams will only be given in *extreme circumstances* that involve serious illness (hospitalization), death in your immediate family, or incarceration. Dr. Moore must be contacted within **24 hours** of the missed exam with the appropriate official documentation to discuss the *possibility* of a make-up exam. Reasons for requesting a make-up must be documented in writing

by an involved professional. The instructor retains the right to make additional inquiries concerning the documentation. The instructor retains the right to give a make-up exam that is different in exact content and/or style than the missed coursework (i.e. an oral or written exam)!

**Please do not ask for a different date/time for The Final Exam** The only reason to grant a request for an alternate time for the final exam is a medical emergency, death or incarceration. Please plan your end of semester to ensure that you will be on campus for our scheduled **Final Exam!**

### **Academic Dishonesty Policy**

Students caught cheating on any exam will receive a "0" for that particular exam and will not be able to drop that grade. Additionally, the incident will be reported to the Dean of Students, who may impose further penalty. According to the UNT catalog, the term "cheating" includes, but is not limited to: a. use of any unauthorized assistance in taking quizzes, tests, or examinations; b. dependence upon the aid of sources beyond those authorized by the instructor; c. the acquisition, without permission, of tests or other academic material belonging to a faculty or staff member of the university; d. any other act designed to give a student an unfair advantage.

### **ODA**

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to me to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. For additional information see the Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at (940) 565-4323.

### **Genetics Topic Schedule:**

*Note:* This is a tentative schedule of chapters that we will follow this semester. Detailed reading & homework assignments will be presented in class and posted on Canvas.

Chapters 1-4

Chapters 6, 7, 5, 8

Chapter 25

Chapters 10, 11, 12, 19

If time permits we may also cover Chapters 14-18.

**Study Tips:** **Genetics is a problem-based course.** You **MUST** do problems to succeed in this class. Problems will be assigned from most of the chapters covered in lecture. It may also be beneficial for you to solve unassigned problems. A slightly modified version of at least one assigned problem will appear on each exam. The solutions to odd-numbered questions appear in the back of your textbook. As with most college courses, it is expected that **for every hour we spend in lecture, students will spend 2-3 hours outside of class** preparing, studying, and completing assignments.

### **How to succeed in Genetics:**

- 1) Do the assigned reading before coming to lecture. You don't have to master every concept, but having some familiarity with the material will make the lecture easier for you to comprehend.
- 2) Come to class. **Every class! Print out the lecture notes** and bring them with you and write on them during lecture. Some students also find it helpful to bring the textbook to lecture.
- 3) After lecture, read the book again with your lecture notes in front of you. You should now be able to understand all the details of the reading assignment. Make a list of anything you don't understand in the lecture notes and the reading.
- 4) Work all the assigned problems from that lecture. Do extra problems if necessary to help you master a topic. You should **REDO** problems that you didn't understand how to do the first time!
- 5) Try to form a study group with a few of your classmates. Study groups are a great way to learn the material because by explaining material to others you learn it better than when just reading it to yourself
- 6) **GET HELP** well in advance of an exam. Come to my office hours or ask for an appointment. Discuss your questions with others in the class.
- 7) **Tutoring:** There is help for this and other Biology classes in the Learning Center in SAGE 170. The tutor can assist with assignments from lecture or lab, and offer suggestions on how to effectively study the material for the course. It is helpful to bring relevant course materials with you to tutoring.



**DON'T WAIT UNTIL JUST BEFORE AN EXAM TO WORK  
THE ASSIGNED GENETICS PROBLEMS!**



**Exams will test your knowledge of concepts and your ability to *apply* that knowledge. You will be expected to *THINK* during an exam. It is not a good strategy to stay up all night memorizing material and then be so tired during the exam that you can't apply the concepts that you studied!**