

LIFE SCIENCES I
BIOL 1308 - 3 credits
Texas A&M University San Antonio, College of Arts and Sciences
Fall 2026 Syllabus

Instructor Contact Information

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Office : STEM 311Z

Office Hours: Tuesday & Thursday 12:30 pm – 2:00 pm, Wednesday 12:30 pm – 1:30 pm, or by appointment

Class Meeting Times and Location

- Section 006 meets every Tuesday and Thursday, 11:00am-12:15pm in STEM 242

Contacting Your Instructor

I will typically respond to emails from students within 24 hours. However, over the weekend and holiday periods responses may be delayed.

Course Materials

Textbook for Lecture *REQUIRED***:**

Hoefnagels, M. (2025 release). *Biology: The essentials* (4th ed.). New York, NY, NY: McGraw-Hill.

Book fee was already assessed as part of tuition. You should have access through Blackboard on first day of class through Connect program. DO NOT PAY AGAIN IF IT REQUESTS IT.

Other Required Materials:

- Any writing utensil for in-class activities
- On-Line Components
 - We will be using “Connect” which is an on-line tool for assignments and quizzes. You will have access to this via Blackboard.
 - Lectures will be posted on Blackboard
 - Announcements regarding lectures may be posted on Blackboard
 - Grades for individual assignments will be posted on Blackboard as we go along.
- A way to take notes in class.
 - Studies show that taking notes by hand is more effective for learning versus typing notes. See references below.
 - Marano G et al. The Neuroscience Behind Writing: Handwriting vs. Typing-Who Wins the Battle? *Life (Basel)*. 2025 Feb 22;15(3):345. doi: 10.3390/life15030345. PMID: 40141690; PMCID: PMC11943480.
 - Van der Weel FRR and Van der Meer ALH (2024) Handwriting but not typewriting leads to widespread brain connectivity: a high-density EEG study with implications for the classroom. *Front. Psychol.* 14:1219945. doi: 10.3389/fpsyg.2023.1219945
 - I would highly suggest printing out the slide deck prior to the lectures and taking notes directly on the printout. Alternatively, you can download the slide deck to your tablet and write notes with your stylus.
 - You will not be allowed to use your laptop during class, unless your instructor directs you to an assignment where a computer is required.

Catalog Description and Prerequisites

1308. Introduction to Life Sciences I. 3(3-0)

This course is designed for non-science majors and examines the basis of biology in the modern world and explores biology as a science - a data-driven process of gaining new knowledge – as well as the impact of biological science on society. Topics in this course include the study of life at the cellular level, investigating cellular structures, chemical processes, cell metabolism, cell division, gene expression and introducing patterns of inheritance. Includes experimental hands-on exercises. This course meets the standards for the Life and Physical Sciences category of courses under the core curriculum.

Learning objectives

Students will be able to have a strong grasp of the scientific method – specifically to:

- Ask scientific questions of their world
- Demonstrate the ability to read and understand scientific literature written for the educated lay reader
- Critique and analyze claims of others in a scientific context
- Construct reasonable hypotheses
- Formulate and defend alternative explanations and models on the basis of evidence
- Communicate effectively in oral and written forms
- Demonstrate awareness of specific technology that is used to carry out biological investigations
- Use computers for data analysis, literature searches and retrieval of data from reliable databases

Students will be able to understand the science of biology, both its past and present impacts on society by being able to:

- Analyze how progress in biology depends heavily on the political, social, economic and cultural influences occurring within a society at any given time
- Discuss historical changes in biological theories over time
- Recognize the integration of mathematics, physics, chemistry, and geology into the study of biology
- Understand the impact of science and technology on the global society
- Discuss and identify ethical issues that new technology raises
- Demonstrate the application of biological concepts to:
 - Personal issues
 - Society
 - Economics
 - Technology
 - Ethical issues

Course Content

TOPICS COVERED:

1. Nature of Science
2. Characteristics of Life
3. Chemistry of Life
 - a. Role of water
 - b. Carbon and the Molecular Diversity of Life
 - c. The structure and function of macromolecules (sugars, lipids, proteins, nucleic acids)
4. The Cell Theory
 - a. Prokaryotic vs. Eukaryotic cells
 - b. Cellular organization
 - c. Cellular membrane structure and function
5. Cellular Energetics
 - a. Cellular respiration
 - b. Photosynthesis
 - c. Role of enzymes
6. Cell Cycle: Mitosis and Meiosis
7. Genetics
 - a. Introduction to Mendelian Genetics
 - b. Structure and function of DNA

Grading

The table below provides a summary of the graded work in this course.

Summary of Graded Work

Assignment	Grade Percentage
Lecture Exams	50%
Pre-Lecture Assignments	10%
Chapter Quizzes	10%
Virtual Labs	10%
Activities	20%
Total Percent	100%

Calculating Current Grade

Your current grade will always be up to date in the BlackBoard Gradebook. You can also calculate it using the following formula: $(A + B + C + D + E) \times 100 = \text{FINAL COURSE PERCENTAGE}$

EXAMS= 50% of your grade (take total points earned / total points available X 0.50) = A

PRE-LECTURE ASSIGNMENT= 10% of your grade (take total points earned / total points available X 0.10) = B

CHAPTER QUIZZES = 10% of your grade (take total points earned / total points available X 0.10) = C

ACTIVITIES =20% of your grade (take total points earned / total points available X 0.20) = D

VIRTUAL LABS = 10% of your grade (take total points earned / total points available X 0.10) = E

Percentages are then computed and grades assigned as follows:

A = 90-100%.....I will *consider* scaling up if you earn an 89.5%, but I will **NOT** scale up for an 89.49% or less

B = 80-89%..... I will *consider* scaling up if you earn an 79.5%, but I will **NOT** scale up for an 79.49% or less

C = 70-79%..... I will *consider* scaling up if you earn an 69.5%, but I will **NOT** scale up for an 69.49% or less

D = 60-69%..... I will *consider* scaling up if you earn an 59.5%, but I will **NOT** scale up for an 59.49% or less

F = below 60%

Description of Graded Work

Type	Description
Lecture Exams 50%	Lecture Exams (4) are composed of questions covering lecture material. Each exam will have questions ranging from multiple choice, short answer, true/false, drawing, matching, fill-in-the-blank, etc. Not all types of questions will be on every exam. Exams will be completed in-person and must be done within the class period. The fourth exam will serve as the final exam but will mainly cover material from the last unit. However, it will include some general concept questions about material that has shown up all semester just to make sure you learned the basic concepts anyone who has taken a Bio 1 class should know.
Pre-Lecture Assignments 10%	Before each chapter, you will have an assignment to complete, such as looking up definitions or answering questions regarding a video. This is intended for you to know basic concepts before coming to class. The lowest pre-lecture assignment (1) will be dropped. I do not grant extensions on these since this assignment is meant to help you before we start the chapter in lecture.

Type	Description
Chapter Quizzes 10%	For each chapter, you will complete a quiz that is designed to reinforce your knowledge of the chapter material. This will consist of a variety of questions, such as video questions, interactive modules, fill-in-the-blank composition, among others. • There is no time limit for this activity. • You will be allowed unlimited attempts. • Your lowest grade will be dropped. • Late work is not accepted for chapter quizzes
Activities 20%	There will be hands-on activities or homework given throughout the semester that will help demonstrate concepts, practice word problems, and reinforce concepts that you will be responsible for completing in class. • Attendance is required for these in-class activities and cannot be made up if absent. If you are absent, you cannot receive points for that day's activity. • These in-class activities should help assess where you are in terms of the concepts being taught. If you struggle with these activities, this should help identify where you need to focus your studying or where you need to ask for more help.
Virtual Labs 10%	The Connect software provided as part of your e-textbook has a variety of simulated lab activities intended to recreate assignments that would be done in a lab section. These may take between 10 and 30 minutes depending on how quickly you follow the instructions. A number of these virtual labs will be assigned with each unit to assist with learning the concepts from those chapters. Each lab is a guaranteed 100% as long as it is completed on time and you have unlimited attempts before the due date. • The lowest virtual lab (1) will be dropped. • These assignments are <u>due by 11:59pm the night before the exam they are related to.</u> • I do not grant extensions on these since you will have several weeks to complete them.

Make-up and Late Work Policy

University excused absences will not cause point deductions as long as you get in touch with me **within 24 hours of the absence** and is one approved by TAMUSA policies. Documentation will be required.

Exams:

You may make up an exam only if:

- you contact me within one day (24 hours) of the scheduled exam
- your absence is one approved by TAMUSA policies (illness, death in the family, other immediate-family emergencies). Documentation will be required.
- Again – if I do not hear from you within 24 hours of the scheduled exam, you have forfeited the right to make up the exam.

Pre-Lecture Assignments, Chapter Quizzes, and Virtual Labs:

Because these are on-line and because they will be open and available for more than one day, you should have ample opportunity to complete these.

- There are no make-ups.
- There is a 5-day grace period for turning in these assignments; however, you will lose points (10%) per day late.
- Your lowest grade will be dropped.

- If there is an emergency that is considered a university-excused reason that prevents you from completing the assignment in the allotted timeframe, you must contact me within one day of the due date. If I do not hear from you within that time period, you have forfeited the right to make up the assignment or quiz.

Activities:

As mentioned above, any hands-on activities we conduct in class cannot be made up as they require your presence and will usually be conducted as a group.

- However, if you miss for an excused reason, we can discuss the reason why and then you will be exempt from the points given in class.

Attendance

Lecture Attendance:

To be successful in college, you must attend lecture. I will take attendance at the beginning of every class period, even though it is not calculated as part of the grade. However, your Activity grade depends on your attendance, since it is based on completing in-class activities. If you need to miss class, please notify me and get with a classmate to obtain missed materials. It is your responsibility to look at the lecture slide decks and keep up-to-date on what is due.

I understand that life happens; therefore, I will drop two (2) missed activity grades if you do not have documentation for these absences. I will only drop up to four (4) activity grades (such as 2 unexcused and 2 excused absences, or if all 4 are excused). If you have an issue with absenteeism, you will need to think about taking this course at another time when you can be available to attend all lectures.

Exam Day Attendance:

Attendance on exam day is mandatory. If you arrive late, you have only until the end of the period to take it. See the make-up policy above regarding missed exams.

Technical Problems

If you have a technical problem that prevents you from completing an assignment by the deadline, you must document the issue in order to receive an extension. If you cannot prove the issue, an extension will not be granted. When you have an issue, let me know immediately and contact Information Technology Services (available at the bottom of the TAMUSA homepage or the left column on Blackboard).

- If an assignment is not showing up online during the time it should be assigned, **it is your responsibility to let me know before the assignment's due date and document the page showing it is not appearing.**
- If you do not tell me about technical issues until after the deadline, I cannot verify the problem or tell what was wrong and will not reopen it. If you tell me after the fact that you had a technical problem without providing any proof, I will not allow an extension.
- **No extensions are granted for Virtual Labs** since you have several weeks to complete them.

Email Etiquette

Professional email etiquette is a requirement when communicating with me (or anyone) online.

- Please do not write emails as you would text or include the entire email body in the subject heading.
- Also, please use proper grammar (punctuations!!) so that your email is easy to understand and follow.
- Finally, please be respectful to all.

Allow 24 hours for a response during the regular week and 72 hours over the weekend. I will not regularly be answering e-mails sent after 6:00 p.m. so please plan accordingly.

Time Commitment & Individual Accountability

In college, it is expected that for every credit hour you spend in class, you spend 3 hours working on that material at home. Thus, in the class, it is expected that in addition to coming to class every Tuesday and Thursday, you also spend 9 hours a week on outside school pertaining to this class. This of course takes time-management skills. Please take this into consideration when planning your semester activities.

Other Course Policies

Do's and Do not's

- Do come to class regularly and on time – it affects your grade, not because of points assessed, but because of understanding the material.
- Do take notes, either on the print outs of my lectures or in a separate notebook.
- Do ask questions in class.
- Do seek out help from me and your peers.
- Do NOT have your cell phone out during class unless asked to do so.
- Do NOT use your laptop or computer during class unless instructed by me.
- Do NOT leave early without talking to me prior to class beginning

IMPORTANT POLICIES AND RESOURCES

Academic Accommodations for Persons with Disabilities: Texas A&M University-San Antonio is committed to providing all students with reasonable access to learning opportunities and accommodations in accordance with The Americans with Disabilities Act, as amended, and Section 504 of the Rehabilitation Act. If you experience barriers to your education due to a disability or think you may have a disability, please contact Disability Support Services in the Central Academic Building, Suite 210, or at (210) 784-1335 or visit <https://www.tamusa.edu/index.html> or email us at dss@tamusa.edu. Disabilities may include, but are not limited to, attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability-related needs with Disability Support Services and their instructors as soon as possible.

Academic Learning Center: The Academic Learning Center provides free course-based tutoring to all currently enrolled students at Texas A&M University-San Antonio. Students wishing to work with a tutor can make appointments through the Brainfuse online tutoring platform. Brainfuse can be accessed in the *Tools* section of Blackboard. You can contact the Academic Learning Center by emailing tutoring@tamusa.edu, calling (210) 784-1307, or visiting the Central Academic Building, room 202.

Counseling/Mental Health Resources: As a college student, there may be times when personal stressors interfere with your academic performance and/or negatively impact your daily functioning. If you are experiencing emotional difficulties or mental health concerns, support is available to you through the Student Counseling Center (SCC). To schedule an appointment call 210-784-1331 or visit Modular C, Room 166 (Rear entrance).

All mental health services provided by the SCC are free and confidential (as the law allows). The Student Counseling Center provides brief individual and group therapy, crisis intervention, consultation, case management, and prevention services.

Crisis support is available 24/7 by calling the SCC at 210-784-1331 (after-hours select option '2'). For more information and self-help resources, please visit www.tamusa.edu/studentcounseling

Emergency Preparedness: JagE Alert is Texas A&M University-San Antonio's mass notification. In the event of an emergency, such as inclement weather, students, staff and faculty, who are registered, will have the option to receive a text message, email with instructions and updates. To register or update your information visit: <https://tamusa.bbcportal.com/>.

More information about Emergency Operations Plan and the Emergency Action Plan can be found here:

<https://www.tamusa.edu/about-us/campus-information/safety/university-police-department/documents/emergency-operations-plan.pdf> and <https://www.tamusa.edu/about-us/campus-information/safety/university-police-department/documents/emergency-action-plan.pdf>

Download the SafeZone App for emergencies or call (210) 784-1911. Non-Emergency (210) 784-1900

Financial Aid and Verification of Attendance: According to the following federal regulation, 34 CFR 668.21: U.S. Department of Education (DoE) Title IV regulation, a student can only receive Title IV funds based on Title IV eligibility criteria which include class attendance. If Title IV funds are disbursed to ineligible students (including students who fail to begin attendance), the institution must return these funds to the U.S. DoE within 30 days of becoming aware that the student will not or has not begun attendance. Faculty will provide the Office of Financial Aid with an electronic notification if a student has not attended the first week of class. Any student receiving federal financial aid who does not attend the first week of class will have their aid terminated and returned to the

DoE. Please note that any student who stops attending at any time during the semester may also need to return a portion of their federal aid.

Writing, Language, and Digital Composing Center: The Writing, Language, and Digital Composing Center supports graduate and undergraduate students in all three colleges as well as faculty and staff. Tutors work with students to develop reading skills, prepare oral presentations, and plan, draft, and revise their written assignments. Our language tutors support students enrolled in Spanish courses and students composing in Spanish for any assignment. Our digital studio tutors support students working on digital projects such as eportfolios, class presentations, or other digital multimedia projects. Students can schedule appointments through JagWire under the Student Services tab. Click on “Writing, Language, and Digital Composing Center” to make your appointment. The Center offers face-to-face, synchronous online, and asynchronous digital appointments. More information about what services we offer, how to make an appointment, and how to access your appointment can be found on our website at <https://bit.ly/WLDCCenter>.

Meeting Basic Needs: Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact the Dean of Students (DOS@tamusa.edu) for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable them to provide any resources they may possess.

Military Affairs: Veterans and active-duty military personnel are welcomed and encouraged to communicate, in advance if possible, and special circumstances (e.g., upcoming deployment, drill requirements, disability accommodations). You are also encouraged to visit the Patriots’ Casa in-person room 202, or to contact the Office of Military Affairs with any questions at military.va@tamusa.edu or (210)784-1397.

Religious Observances: Texas A&M University-San Antonio recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes for regular session classes.

The Six-Drop Rule: Students are subject to the requirements of Senate Bill (SB) 1231 passed by the Texas Legislature in 2007. SB 1231 limits students to a maximum of six (6) non-punitive course drops (i.e., courses a student chooses to drop) during their undergraduate careers. A non-punitive drop does not affect the student’s GPA. However, course drops that exceed the maximum allowed by SB 1231 will be treated as “F” grades and will impact the student’s GPA.

Statement of Harassment and Discrimination: Texas A&M University-San Antonio is committed to the fundamental principles of academic freedom, equality of opportunity and human dignity. To fulfill its multiple missions as an institution of higher learning, A&M-San Antonio encourages a climate that values and nurtures collegiality and the uniqueness of the individual within our state, nation, and world. All decisions and actions involving students and employees should be based on applicable law and individual merit. Texas A&M University-San Antonio, in accordance with applicable federal and state law, prohibits discrimination, including harassment, on the basis of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation, gender identity, gender expression, or pregnancy/parenting status. Individuals who believe they have experienced harassment or discrimination prohibited by this statement are encouraged to contact the appropriate offices within their respective units.

Texas A&M University-San Antonio faculty are committed to providing a safe learning environment for all students and for the university as a whole. If you have experienced any form of sex- or gender-based discrimination or harassment, including sexual assault, sexual harassment, domestic or dating violence, or stalking, know that help and support are available. A&M-San Antonio’s Title IX Coordinator can support those impacted by such conduct in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, and more. The university strongly encourages all students to report any such incidents to the Title IX Coordinator. Please be aware that all A&M-San Antonio employees (other than those designated as confidential resources such as counselors and trained victim advocates) are required to report information about such discrimination and harassment to the university. This means that if you tell a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the university’s Title IX Coordinator (titleix@tamusa.edu, 210-784-2061, CAB 439K). If you wish to speak to a confidential employee who does not have this reporting requirement, you can contact the Student Counseling Center at (210) 784-1331 or visit them in Madla 120.

Pregnant/Parenting Students: Texas A&M-San Antonio does not require a pregnant or parenting student, solely because of that status or issues related to that status, to (1) take a leave of absence or withdraw from their degree or certificate program; (2) limit the student’s studies; (3) participate in an alternative program; (4) change the student’s major, degree, or certificate program; or (5)

refrain from joining or cease participating in any course, activity, or program at the University. The university will provide reasonable accommodations to pregnant students that would be provided to a student with a temporary medical condition and that are related to the health and safety of the student and the student's unborn child. These could include maintaining a safe distance from substances, areas, and activities known to be hazardous to pregnant individuals and their unborn child; excused absences because of illness or medical appointments; modified due dates for assignments; rescheduled tests/exams; taking a leave of absence; and being provided access to instructional materials and video recordings of lectures for excused absences, if these would be provided to any other student with an excused absence. Pregnant/parenting students are encouraged to contact the Title IX Coordinator with any questions or concerns related to their status (titleix@tamusa.edu; 210-784-2061; CAB 439K).

Texas A&M-San Antonio has also designated the Title IX Coordinator as the liaison officer for current or incoming students who are the parent or guardian of a child younger than 18 years of age. The Title IX Coordinator can provide students with information regarding support services and other resources.

Students' Rights and Responsibilities: The following statement of students' rights and responsibilities is intended to reflect the philosophical base upon which University Student Rules are built. This philosophy acknowledges the existence of both rights and responsibilities, which is inherent to an individual not only as a student at Texas A&M University-San Antonio but also as a citizen of this country.

Students' Rights

1. A student shall have the right to participate in a free exchange of ideas, and there shall be no University rule or administrative rule that in any way abridges the rights of freedom of speech, expression, petition and peaceful assembly as set forth in the U.S. Constitution.
2. Each student shall have the right to participate in all areas and activities of the University, free from any form of discrimination, including harassment, on the basis of race, color, national or ethnic origin, religion, sex, disability, age, sexual orientation, or veteran status in accordance with applicable federal and state laws.
3. A student has the right to personal privacy except as otherwise provided by law, and this will be observed by students and University authorities alike.
4. Each student subject to disciplinary action arising from violations of university student rules shall be assured a fundamentally fair process.

Students' Responsibilities

1. A student has the responsibility to respect the rights and property of others, including other students, the faculty and administration.
2. A student has the responsibility to be fully acquainted with the published University Student Rules found in the Student Handbook, Student Code of Conduct, on our website, University Catalog and to comply with them, as well as federal, state, and local laws.
3. A student has the responsibility to recognize that student actions reflect upon the individuals involved and upon the entire University community.
4. A student has the responsibility to recognize the University's obligation to provide an environment for learning.
5. A student has the responsibility to check their university email for any updates or official university notification.

We expect that students will behave in a manner that is dignified, respectful, and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.

Students are expected to exhibit a high level of honesty and integrity in their pursuit of higher education. Students engaging in an act that violates the standards of academic integrity will find themselves facing academic and/or disciplinary sanctions. Academic misconduct is any act, or attempt, which gives an unfair advantage to the student. Additionally, any behavior specifically prohibited by a faculty member in the course syllabus or class discussion may be considered as academic misconduct. For more information on academic misconduct policies and procedures please review the Student Code of Conduct.

No Use of Generative AI Permitted

This class assumes that all work submitted by students will be generated by the students themselves, working individually or in groups. Students should not have another person/entity do the writing of any portion of an assignment for them, which includes hiring a person or a company to write assignments and/or using artificial intelligence (AI) tools like ChatGPT. Use of any AI-generated content in this course qualifies as academic dishonesty and violates Texas A&M-San Antonio's standards of academic integrity.

TENTATIVE SCHEDULE – Subject to Change with notification

Week	Tuesday Topic	Thursday Topic
1	8/25 Syllabus Class Navigation	8/27 Chapter 1: 1.1 (What Is Life), 1.2 (The Tree of Life)
2	9/1 Chapter 1: 1.3 (Scientific Method)	9/3 Chapter 2: 2.1 (Atoms), 2.2 (Bonds)
3	9/8 Chapter 2: 2.3 (Water), 2.4 (pH), 2.5 (Organic Molecules)	9/10 Chapter 2: 2.5 (Organic Molecules)
4	9/15 Chapter 3: 3.1 (Intro), 3.2 (Cell Types), 3.3 (Cell Membrane)	9/17 Chapter 3: 3.4 (Organelles), 3.5 (Cytoskeleton)
5	9/22 Chapter 4: 4.5 (Membrane Transport)	9/24 Catch Up/ Review
6	9/29 Exam 1: Chapters 1, 2, 3, & 4.5	10/1 Chapter 4: 4.1 (Intro), 4.2 (Chemical Reactions), 4.3 (ATP), 4.4 (Enzymes)
7	10/6 Chapter 6: 6.1-6.6 (Intro, Glycolysis, Aerobic Respiration)	10/8 Chapter 6: 6.7 (Alternative Fuels), 6.8 (Anaerobic Respiration)
8	10/13 Chapter 5: 5.1-5.5 (Intro, Pigments, Light Reaction)	10/15 Chapter 5: 5.6 (Carbon Cycle), 5.7 (C3, C4, CAM plants)
9	10/20 Cellular Respiration & Photosynthesis	10/22 Exam 2: Chapters 4 (no 4.5), 5, & 6
10	10/27 Chapter 7: 7.1-7.4 (Intro, Transcription & Translation)	10/29 Chapter 7: 7.5-7.9 (Mutation, Viruses)
11	11/3 Chapter 8: 8.1-8.5 (Replication, Mitosis)	11/5 Chapter 8: 8.6 (Cancer)
12	11/10 Catch Up/ Review	11/12 Exam 3: Chapters 7 & 8
13	11/17 Chapter 9: 9.1-9.4 (Intro, Meiosis)	11/19 Chapter 9: 9.5-9.7 (Comparisons, Errors)
14	11/24 Chapter 10: 10.1-10.5 (Intro, Mendelian Genetics)	11/26 No Class- Thanksgiving Holiday
15	12/1 Chapter 10: 10.6-10.9 (Non-Mendelian Genetics, Pedigrees)	12/3 Chapter 11: DNA Technology
16	FINAL EXAM/ Exam 4: Chapters 9, 10, & 11 + some cumulative	