

San José State University
College of Science / Department of Biology
Biology 10, The Living World. Fall 2019

Course and Contact Information

Instructor: Mary Poffenroth, M.S.

Office Location: DH447/ Online

Telephone: 510-410-2406 (email is best)

Email: mary.poffenroth@sjsu.edu It is best to email me any questions or concerns. For email, **I will respond within a max 2 business days.** Please do not expect a response late at night or on weekends. Your email must be in grammatically correct English, with proper salutations, in order to receive a response.

Office Hours: Tuesday / Thursday 10:00 am to 12:00 noon Online or by appointment. We can meet via Zoom, Skype, or FaceTime.

Class Days/Time: Online

Classroom: Online

GE/SJSU Studies Category: Area B2 – No Lab

Read the entire syllabus, as it is a contract between you and your instructor.
Your continued enrollment in this course implies that you agree to all terms in this contract.

Course Format : Technology Intensive, Online Course

This course is delivered online through Canvas and JoVE. Success in the course requires active participation by logging in multiple times a week for updates, to complete assignments, take quizzes, review lectures and participate in discussions. Check out What Makes a Successful Online Student?_at <http://www.ion.uillinois.edu/resources/tutorials/pedagogy/studentprofile.asp>

Do not submit your assignments via the smartphone app. The app has proven to be unreliable and you should always use a laptop or desktop computer to perform your work.

Minimum Technology & Technology Skills: **You are required to have access to reliable computer technology, internet and up to date software/antivirus.** You must have basic computing skills and know how to use the internet, Canvas, a word processing program (such as MS Word) and a slide deck program (such as PowerPoint). You must also know how to create a short video and upload that video to a video hosting site like YouTube/Vimeo.

All written submissions must be a PDF or .DOC or .DOCX file to canvas. Others will receive a zero.

This class is not self-paced. You will have deadlines and they will not be adjusted unless there is an issue that affects the entire class. Online classes, although more convenient for lecture attendance than in-person, are still as rigorous. If you cannot meet the demands and timing of the course, as set forth in the schedule below, please consider taking a different course.

Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor-generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent. You may not duplicate, screenshot, or save any materials for dissemination to any other parties.

Technology Requirements

This is a technology heavy class since it is in the online environment. You must have a computer that has the most up to date operating system, Microsoft office, up to date web browser and associated media players, a webcam, microphone and earphone capabilities. There are computers available on campus, but you will need to search this resource out for yourself if needed.

You must also have the necessary system requirements to smoothly run the JoVE companion site. It is your responsibility in an online class to ensure you have the proper technology to view the online curriculum. I cannot provide tech support for your system or software. If you find a video or something is not playing properly, try a different web browser (i.e. instead of safari try to play it in FireFox or Chrome). This usually solves the issue.

Canvas will only read .pdf and .doc or .docx. If you submit any other type of file you will get a zero and may lose the chance to regain any points from that assignment. This includes links to Google docs and pages. This DOES NOT apply to our oral presentation video.

If you are having issues with canvas - try a different browser. Canvas plays nice with Safari and Firefox. It does not play well with chrome.

We will be using Canvas for our learning management system (LMS). Link for Students Regarding Canvas Issues/Questions <http://www.sjsu.edu/at/ec/docs/Canvas%20Student%20Tutorial.pdf> or <http://www.sjsu.edu/at/ec/canvas/index.html> You are automatically registered with canvas as a registered student of the course. Only registered students can access our canvas class. I will also be sending out emails through MySJSU periodically. Please ensure you are reading/receiving them.

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on Canvas, <http://www.sjsu.edu/at/ec/canvas/>. **You are responsible for regularly checking with the messaging system through Canvas and MySJSU to learn any updates.** If you have any issues accessing Canvas or MySJSU, you must address these directly with the University HelpDesk – I do not have that level of access to assist you (<https://isupport.sjsu.edu/ecampus>)

Course Description

Biology 10 is an introductory level general biology course that satisfies the general education requirement for a Life Science without a lab. This course assumes no background in biology, but some interest in the subject will help to make your learning experience more enjoyable. This course and your book are divided into six major areas: 1) Chemistry and Cell Biology; 2) DNA, Genetics and DNA technology; 3) Evolution and the Diversity of Life on

Earth; 4) Ecology, Community Structure and Biodiversity; 5) Animal structure and function; and 6) Plant structure and function. **This is a fully online class – there is no on-campus meeting.**

Course Goals

Please see the schedule at the end of this syllabus. It will have the dates by which the lectures will be available online within our Canvas website. Please note that lectures/activities may be available sooner than the date listed, but not later. **The exam dates are firm.** Since you may complete the JoVE homework any time before the deadline, absolutely no late homework will be accepted. For all electronic assignments, do not wait until the last minute to submit. No extensions will be given for user error or unreliable internet connections.

Science is a continuous and adaptive process through which we discover and communicate how the natural world works, separate facts from inference, and establish testable hypotheses. All students should master essential quantitative and qualitative skills that are necessary to understand scientific knowledge and methods in order to incorporate these processes into professional and everyday life experiences.

GE Learning Outcomes (GELO)

Upon successful completion of this course, students will be able to:

1. GELO 1: Students should be able to use the methods of science and knowledge derived from current scientific inquiry in life or physical science to question existing explanations. GELO 1 will be assessed using the Scientific Methods Activity (20 points), primary and secondary literature readings, and a multitude of learning objective focused homework questions in JoVE, and the Research Methods Quiz (25 points).
2. GELO 2: Students should be able to demonstrate ways in which science influences and is influenced by complex societies, including political and moral issues. GELO 2 will be assessed using the 1500-word Biodiversity Writing Assignment (100 points), which has a required 10 examples of cited primary literature articles, and the required off campus field trip to a pre-chosen life science museum.
3. GELO 3: Students should be able to use the methods of science, in which quantitative, analytical reasoning techniques are used. GELO 3 will be assessed using the Scientific Methods Activity (20 points), a multitude of learning objective focused homework questions in JoVE, the 1500-word Biodiversity Writing Assignment (100 points).

Course Learning Outcomes (CLO) (Required)

Upon successful completion of this course, students will be able to:

1. CLO 1: Levels of organization of living systems – Beginning at the atomic level we will continue on to the molecular, cell and organism levels and then finally to the ecology of populations, communities and the biosphere.
2. CLO 2: Structures and function of living organisms – We will study the basic unit of all life, the cell, and also discuss the structure and function of several body organ systems.
3. CLO 3: Principles of genetics and variation – We will study Mendel's experiments to discover how they reveal the laws of heredity, how these laws apply to human genetics, and DNA codes for the variation we see in individuals.
4. CLO 4: Patterns, rates and trends of evolution - We will trace the history of life on earth and patterns of evolution as seen in the fossil record, with emphasis on the evidence of evolution, speciation, and vertebrate evolution.

5. CLO 5: Strategies of reproduction and thus survival – We will study the various types of reproduction, concentrating on the unifying concepts of animal structure, function and reproductive strategies among different organisms.
6. CLO 6: Interaction of organisms and the Natural environment – We will study interactions between species, their ecological relationships, the importance of maintaining biodiversity and how human population growth, our actions and economics affect this planet.

Texts/Digital Platform Materials

Required: JoVE Digital Access

You are required to have digital access to JoVE video textbook in order to complete the interactive homework assignments. You are not required to have a physical book though. **Please see your introductory email or Canvas modules for the welcome handout and course code information. You will be graded on your completion and performance of the end of video concept checks AND end of chapter quizzes.**

Why is this material required for the course? This is an interactive homework solution that allows students to expand on the content and go deeper into the science with instant feedback.

Recommended : Write, Present, Create: Science Communication for Undergraduates (First Edition, Blue and Gold Cover) published and distributed by Cognella, Inc. I did in fact write this book and use it in my classes because I wrote it for you, my students! Curious about where the personal proceeds from any new sales of the book go? Check out what I wrote here: <https://www.marypoffenroth.com/proceeds> - I also provide many **free copies** in **MLK Library** for check out. You can definitely read the entire book during one check out period in course reserves in MLK Library (which is free of charge). Unfortunately, I am not able to provide digital free copies at this time due to copyright law constraints, as I do not own the copyright.

Multiple FREE copies are available for check out in MLK Library Courses Reserves and the general catalog.

If you wish to purchase, You can do so at any of these retailers:

Amazon (Perfect Bound): <http://amzn.to/2E2x04w>

Cognella (**Digital**/eBook and Perfect Bound): <https://store.cognella.com/81405-1b-060>

Spartan Bookstore (Loose Leaf)

Barnes & Noble (Special order in store or online).

Why is this material important: You will use this to help support your two large assignments – a literature review paper (100 points) and a PSA video (25 points) and overall student success. This will also greatly help you on the open note research methods quiz (25 points), but you can easily use the copies in the library if you do not wish to purchase. This resource is meant to support students who are new to communicating in the sciences and do not have experience with primary literature review papers and/or video/presentation creation. Not sure if you will need this book? Grab a free copy in course reserves checkout!

Course Requirements and Assignments

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in [University Policy S12-3](http://www.sjsu.edu/senate/docs/S12-3.pdf) at <http://www.sjsu.edu/senate/docs/S12-3.pdf>.

NOTE: It should be noted that the Academic Vice President in a memorandum dated October 25, 1977 cites a university policy that states that there shall be an appropriate final examination or evaluation at the officially

scheduled time in every course, unless specifically exempted by the college dean who has curricular responsibility for the course.

NOTE that [University policy F69-24](http://www.sjsu.edu/senate/docs/F69-24.pdf) at <http://www.sjsu.edu/senate/docs/F69-24.pdf> states that “Students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to insure maximum benefit for all members of the class. Attendance per se shall not be used as a criterion for grading.

Final Examination or Evaluation : Your final exam will take place online, in Canvas, on the date denoted in the schedule at the end of this syllabus.

Grading Information

Exams (3 at 100 pts. each)	300
Biodiversity Topic Statement	10
Biodiversity Writing Assignment	100
Required Self-Guided Field Trip	50
Conservation PSA Video	20
JoVE Homework Assignments	150
<u>Various Online Activities, Quizzes & Discussions (up to)</u>	<u>170</u>
Up to	800

Determination of Grades

Grades are calculated evenly with no one assignment weighted differently. **There are no late assignments accepted for any work in Bio 10** except the literature review paper (please see the handout for late penalty information). There are no exam makeups. Please see exam policy below. Final course grades will not be curved. It is your responsibility to check your grade in Canvas throughout the semester. **You will have a final opportunity to check your grades before submitted to SJSU after the final exam. If you fail to address any issues/discrepancies before this time, no changes will be made after grades are submitted unless it is due to instructor error.**

Additional Information on Exams, Papers and Assignments

Exams (3 at 100 points each)

Exams will consist of multiple choice, short answer and essay on our Canvas website. Each exam will be timed and you will be required to complete each online exam beginning at 12:01 am and must be finished before 11:59 pm PST on the exam dates listed in the schedule below. The final exam is not cumulative. **Exam material will be based on lecture videos, readings, course activities, and JoVE homework.**

You must study for your exams! Any questions not answered will receive a zero. You will only get credit for those questions you answer correctly. Exams may be up to 100 questions, but also may be less than 100 questions, with each question being worth more than 1 point each. ***Please Note: You will only be able to see one question at a time and you will not be able to go back after you have answered a question. This is to preserve the security of the exam without using a digital proctor, like ProctorU, that students have previously found obtrusive and invasive, therefore I have removed the ProctorU requirement in exchange for a one-question at a time system***

Biodiversity Writing Assignment (100 Points for the paper, 10 Points for the topic statement):

The minimum writing requirement for a G. E. course is 1500 words in a language and style appropriate to the discipline. For us, this means that the writing will be factual, documentary style writing, rather than creative or poetic. Your writing shall be assessed for correctness, clarity, and conciseness. Therefore, I want you to follow the “scientific journal” style of writing. You will have one major writing assignment (more details below), of 1500-2000 words. This writing assignment is made in order to satisfy the writing requirement for Core G. E. Classes in Science and must be completed in order to receive a grade for this course. No passing grade can be achieved without submitting this assignment.

Research Methods & Communication Skills Quiz (25 Points): You may use your book, Write, Present, Create: Science Communication for Undergraduates on this quiz (digital or print). Quiz questions will come directly from your reading and our work in Canvas.

Homework in JoVE (15 Chapters at 10 points each):

Due dates are in the schedule at the end of this syllabus. Enrollment info is in Canvas.

Utilizing the JoVE online textbook, you will complete digital, interactive homework assignments. [The questions & content are meant to challenge you and expose you to complex content at a lower risk \(i.e. I am giving you tougher questions, but you are less penalized if you get them wrong. Science isn't always about being right, it is about trying your best.\)](#)

Your responses are graded and in order to get the 10 points for each chapter you must achieve a 70% score or better on that chapter assignment that includes finishing the questions in each video AND the end of chapter quiz. If you score between 40-69% you will receive half credit. No late homework will be accepted and you can complete each assignment any time before the final due date. Homework is not weighted the same as exams or other assignments in order to give students an opportunity to make mistakes in an effort to better learn the material. **Scores from your work in JoVE must be entered in Canvas manually by me, and will show up in your Canvas gradebook after each exam has passed.**

Required Self-Guided Field Trip (50 points): Choose ONE of the locations below. You may complete this assignment anytime during the semester before the due date listed on our schedule. *Unfortunately, no comparable life science museums exist in the South Bay.*

If you are not in the San Francisco Bay Area (Online Students), need AEC accommodations or any other accommodations: – you must request them via email no later than the first month of the semester. If you have any concerns – email me! Let's work it out.

In order to get credit for this assignment you must do ALL of the following:

- 1-take a self-guided tour of ONE of the field trip locations below on any day before the end of the semester.
- 2-Take a picture of yourself inside the location
- 3- Write a minimum one page, single-spaced, 12pt font summary of your experience. In your summary address ALL the following items:
 - Details about your 3 favorite exhibits
 - Find at least one example of how current scientific research is showcased in your chosen location. What was the scientific project about? Who was performing the research? What are the researchers hoping to learn about?
 - Answer the following questions:
 - In your own words, define life-long learning, also sometimes referred to as informal education.
 - Do you believe places like this are beneficial to life-long learning?
 - Do you believe that life-long learning opportunities are important in creating educated citizens? Why or why not?
- 4- Upload your picture, a scan/picture of your TICKET STUB and completed summary to the Field Trip folder on Canvas by the deadline outline in the schedule at the end of this syllabus. Your summary, picture of yourself and scan/picture of your ticket stub should all be in one document when uploaded to Canvas.

Choose One Location

Choice One: California Academy of Sciences, San Francisco: More info at: <http://www.calacademy.org/>. The cost to enter the academy is \$29.95 per person for students, but **free admission** is available on some days - <http://www.calacademy.org/admission> Admission is on a first come, first served basis, and early arrival is recommended due to the likelihood of high demand. Also, please note that final entry to the museum on free days is 4pm.

Additionally, through our public library, you can get one **FREE pass!** You must sign up and you must do it as soon as possible since the free passes go quickly. **Go to** <http://discoverandgo.org> and choose your **local Bay Area Public Library** to see if there are free passes available to you.

Choice Two: The Monterey Bay Aquarium: Students admission is \$29.95 for the day or get a full year of membership for \$50.00. <http://www.montereybayaquarium.org/> for more information.

If you are not currently in the SF Bay Area, please email me hyperlinks to similar venues in an email for approval. Alternates must meet a similar level of primary research being done/covered and be predominantly nature related.

“Extra Credit”: One event OR 4 hours – whichever comes first

15 points to your overall grade at the end of the semester: You will have one opportunity to complete one extra credit volunteer day. Only one extra credit opportunity can be completed per student. In addition, **no previous volunteer experience is applicable** and you must do one of the pre-approved organizations on our webpage at

<https://www.marypoffenroth.com/extra-credit> . Please read the details on this page carefully and follow the instructions. To receive credit you must do the following: attend one of the organization's listed events <https://www.marypoffenroth.com/extra-credit> , it must be outdoors and at least 4 hours of volunteer time, unless the entire event is only 2 hours. While at the event, take your own picture there and have the coordinator sign off on the work hours sheet located under their name on our website. After you have gotten the signature on the completed worksheet (or if the organization has their own proof of volunteer sheet, that is acceptable too), write a one page, double-spaced, summary of your experience. You have the entire semester to complete this and the deadline to upload your completed form/picture/summary to Canvas is listed on our schedule at the end of this syllabus. Please scan/take a picture of your sign off sheet and place your summary, photo and sign off sheet image into ONE document when uploading into the Extra Credit folder on Canvas. You may upload these materials ANYTIME before the deadline, but not after. Extra credit points will be added to your overall grade at the end of the semester.

Are you outside of the Bay Area? No problem – email me a link of a similar volunteer opportunity as the ones above for approval.

Course Grade: The percentage earned out of **800** points determines the semester grade. This number may change if Canvas assignments change within the semester, which they are open to. The number of total points available is based upon the Canvas gradebook with this syllabus number merely a guideline. Grades will NOT be Curved. Grades will be posted online in a secure PDF after each exam. You will have one week from the posting of each grade update to address any concerns/mistakes with your instructor. After this one week, grades will become permanent and unchangeable. It is YOUR responsibility to ensure your grade is correct weekly. Incorrect grade change requests at the end of the semester will absolutely not be honored.

Grade Discrepancies: If you notice a grade discrepancy on grade updates posted on Canvas, you have exactly two weeks from that posting to contact me to resolve any issue. After that, your score will become permanent. **You will have a final opportunity to check your grade 24 hours after the final exam. If you do not respond to a discrepancy by that time, no grade adjustments will be made.**

Letter grades (with +/-) will be determined using the following scale (standard rounding rules apply where .1-.49 is rounded down, .5-.99 is rounded up):

%	%	%
A+ = 98 - 100		
A = 92-97	B- = 80-81	D+ = 65-67
A- = 90-91	C+ = 78-79	D = 60-64
B+ = 88-89	C = 72-77	D- = 58-59
B = 82-87	C- = 68-71	F = < 57.9

Missed Exams and Late Assignments

Exams cannot be made up. If there is a verifiable emergency that prevents you from taking your online exam, contact me immediately via email with the details of your emergency and we will go from there. Generally, for those students that have a verifiable emergency you will receive the average of your other 2 exams in lieu of your one missed exam. If you do not have a verifiable/documented emergency then you will receive the average of your other 2 exams minus a 30% penalty. These scores will be inputted at the end of the semester.

Late biodiversity papers will have 10 points deducted per day late with a maximum of 5 calendar days late. No other assignments will be accepted late.

Incompletes & Instructor Drops: Incompletes are permitted only if a student is in good standing (has a passing grade), has completed at least two-thirds of the course, and has a verifiable serious and compelling reason to take

an incomplete. An incomplete is not given due to poor performance. **Students are required to drop themselves as needed. I will not honor any request by a student for an instructor drop.**

Email: Email will only be answered Monday–Friday with additional hours on the weekend before exams.

Email etiquette: Remember your audience. It is fine to write in “txt” to your friends, but not to your professors. Please use language and salutations that are becoming of a successful University student.

Netiquette: As we will be interacting online with one another, it is of the utmost importance that all of our communications are done in a respectful manner. There is a zero-tolerance policy for any inappropriate language, hate speech, or personal attacks of any kind towards another student or faculty member. If such an occurrence happens, then the University will be immediately notified and appropriate steps taken to address the issue under the University guidelines.

University Policies : Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs’ [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>

Campus Policy on Consent for Recording and Sharing of Instructor Materials

Common courtesy and professional standards dictate that you notify someone when you are recording him/her. You must obtain the instructor’s (or guest speaker’s) permission to make audio or video recordings in this class. All recordings are the intellectual property of the instructor (or guest speaker); you have not been given any rights to reproduce or distribute the material. Course materials developed by the instructor (or guest speaker) are the intellectual property of the instructor (or guest speaker), as well, and cannot be shared publicly without his/her written approval. Overall, you may not publicly share or upload instructor-generated material for this course such as exam questions, lecture notes, or homework solutions without formal instructor consent. Such permission allows the recordings and materials to be used for your private study purposes only.

Academic integrity

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The [University’s Academic Integrity policy](http://www.sjsu.edu/senate/S07-2.htm), located at <http://www.sjsu.edu/senate/S07-2.htm>, requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sa.sjsu.edu/judicial_affairs/index.html) is available at http://www.sa.sjsu.edu/judicial_affairs/index.html. Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person’s ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU’s Academic Policy S07-2 requires approval of instructors. You are responsible for knowing the University Policy on Academic Dishonesty outlined in the University Catalog. Any student found plagiarizing *any* essay or assignment in Biology 101 will receive an automatic failing grade (F) on the essay or assignment, may receive a failing grade in Biology 101 and will be referred to the Judicial Affairs office. Plagiarism includes copying phrases, sentences, key words, parts or all of another’s writing, including papers or articles published on the Internet, newspapers, magazines, books, journals, or any other medium, including the writing of your fellow students from current and/or previous classes. All phrases, key words, sentences, or larger sections of writings taken from an outside source and used in a student’s paper should be appropriately reworded by the student AND cited. Drawing as few as five consecutive words from another’s writings will be considered plagiarism, as can improper paraphrasing. All ideas or concepts drawn from another’s work should be properly cited. NOTE: A student who shows or lends to their classmates their own work is at risk of being an accessory to plagiarism and, if their work is copied, will suffer the same consequences as the student who plagiarizes (see section 1.1.6 of the Definition of Academic Dishonesty). **This policy also applies to students in previous courses who show or lend their work to current students.**

Schedule

On the next page is your schedule for the semester. The deadlines are firm. You may complete your homework far ahead of the deadlines, so there should be no reason you cannot get your homework submitted by the due dates listed below. Absolutely no late homework will be accepted. You may submit your completed field trip and optional extra credit assignments anytime during the semester, but points for these assignments will not be added to your grade until the end of the semester. All deadlines for homework to be completed in JoVE are on Fridays. However, all chapters are open now and you can work on them/submit your work far in advance of the deadline. Because of this, there are no late homework assignments accepted. Plan ahead, use your time wisely and you will do great in this course.

Biology 10 Course Schedule

- Lecture material will be delivered via lecture videos. Lecture video material will make up the bulk of the exam questions. If you don't watch the lecture videos & take good notes & study, you will not do well on the timed exams.
- The schedule below outlines our deliverables due in Canvas and JoVE. You must complete all work before 11:59 pm Pacific Standard Time (PST).
- No late work is accepted in Bio 10.
- Only submit PDF or DOCx files to Canvas. All .pages or other unreadable files will result in a zero with no chance of makeup.

Chapter #	Unit 1: DNA & The Cell	Deliverable Deadlines (by 11:59 pm PST)
--	Welcome & Introductions	Aug 23
1	Scientific Inquiry	Aug 30
2	Chemistry of Life <i>Plagiarism Assignment</i>	Sep 6
3	The Cell <i>Submit Your Biodiversity Topic Statement</i>	Sep 13
4	DNA <i>Research Methods Quiz</i>	Sep 20
5	Genetics	Sep 27 *Exams*
Sept 27	Exam #1: Units 1 - 5	Take anytime between 12:01 am and 11:59 pm – must be finished no later than 11:59 pm in Canvas.

*Schedule continued on next page ...

Chapter #	Unit 2: Evolution & Ecology	Deliverable Deadlines (by 11:59 pm PST)
6 & 7	Biological Diversity <i>Biodiversity Paper: Peer Feedback Discussion</i>	Oct 4
8	Natural Selection	Oct 11
9	Population & Community Ecology Environmental Conservation PSA Video Due	Oct 18
10	Ecosystems	Oct 25
	Biodiversity Paper Due – 100 points	Nov 1
11	Conservation & Climate	Nov 8 *Exams*
Nov 8	Exam #2: Units 6 -11	Take anytime between 12:01 am and 11:59 pm – must be finished no later than 11:59 pm in Canvas.

Chapter #	Unit 3: Domain Eukarya	Deliverable Deadlines (by 11:59 pm PST)
12	Plants & Fungi	Nov 15
13	Animals	Nov 22
	Nov 27 – 29 SJSU is Closed – Please enjoy the entire week off from Bio 10	Nov 29
14	Human Biology	Dec 6
15	The Future of Biotechnology	Dec 9 *Monday – which is the last day of the semester*
	Field Trip & Extra Credit Due	Dec 9
Thursday, Dec 12	Exam #3: Units 12-15 Final Exam is Not Accumulative	Take anytime between 12:01 am and 11:59 pm – must be finished no later than 11:59 pm in Canvas.