

BIOLOGY 10.50Z,.51Z,.52Z – INTRODUCTORY BIOLOGY SUMMER 2022 (5 units)

- **ALL ASPECTS OF THIS COURSE CAN BE FOUND ON CANVAS!: Follow the weekly schedule!!! (posted to Canvas and further down on this document!)**
- **Your course is asynchronous, meaning that there are no set meeting times for the course (with the exception of your exams). However, you do need to FOLLOW THE WEEKLY SCHEDULE because there are WEEKLY course deadlines and due dates!!!**

Instructor: Jason Bram

Office Hours: By appointment any day, any time!

E-mail Address: bramjason@deanza.edu (preferred method of communication)

Phone #: 408-864-8654

Instructor webpage: <http://www.deanza.edu/faculty/bramjason> (not important unless you like pictures of cute dogs and a little info about me!)

INTRODUCTION: Welcome to Biology 10 and the study of the wondrous array of life and adaptation on our planet! For most students this is an astounding, interesting, sometimes awe-inspiring and hopefully quite fun view of biology as we know it. This 5-unit course is an introduction to the wonderful diversity of life on earth, life's levels of complexity (from molecule to biosphere), and how plants and animals work as individuals and as parts of populations, communities and ecosystems. The course is intended for **non-biology majors**, and my goal as your instructor is to help you achieve a good understanding of the basic principles of life on earth! I also hope that you will develop a lifelong appreciation of biology – you will see for yourself that understanding biology makes the world a much more interesting place!

COURSE DESCRIPTION: An introduction to biology as a branch of the biological sciences and to its basic unifying principles, with selected application to the scientific method, evolutionary concepts, genetic modification, biotechnology, ecology, ecological crises and human impacts. This course satisfies the De Anza General Education Requirement in Natural Sciences and is transferable to both UC and CSU as a general education science course. This course does **NOT** apply towards a major in biology.

ADVISORY: EWRT 1A or EWRT 1AH or ESL 5.

STUDENT LEARNING OBJECTIVES:

1. Evaluate the correlation of structure and function in plants and animals.

ACCESSING THE COURSE:

Canvas webpage: through your “MY PORTAL” (VERY IMPORTANT!)

We will be using the Canvas webspace to (either directly or as a gateway to):

1. keep up on course announcements and deadlines (as a student you are responsible for any info/announcements posted to Canvas)
2. track your grade in the course
3. access ALL course files and course material

4. take your post-lab quizzes and lecture exams and turn in your lecture homework
5. post your comments regarding discussion topics in biology
6. turn in other course assignments
7. meet with me
8. get to know each other as best as we can
9. message me or each other or chat with each other

Please let me know as soon as possible if you have any questions/problems with accessing Canvas.

Connect webpage: Direct link through the course's Canvas page (VERY IMPORTANT!)

We will be using the Connect web space to

1. turn in your lecture homework assignments
2. access your lab activities & post-lab quizzes
3. access your e-book
4. give you an added resource to aid in your success!!!

Please let me know as soon as possible if you have any questions/problems with accessing Connect. Connect access, which includes your e-book, your lab activities, your post-lab quizzes, your lecture homework, and additional resources IS REQUIRED for the course. Once you register with Connect, you will be able to get to all these places through links on Canvas and all of this is included in your textbook price!

HOW TO PURCHASE ACCESS TO ALL THIS (THIS IS MANDATORY!):

TEXT: Essentials of Biology by Sylvia S. Mader 6th edition. 2020 McGraw Hill Higher Education **with Connect**. It's \$69 at the De Anza Bookstore. This is a special discounted price for De Anza students and **YOU MUST PURCHASE THE BOOK THROUGH THE BOOKSTORE!!!** If you do not purchase it through the bookstore, it will probably NOT come with access to the online assignments that you need for this course. Just go to the bookstore website and select my course!

It looks like you can get a loose-leaf copy of the textbook from the bookstore for an additional cost (\$26.75). This is NOT a required purchase, but you may want it.

The best way to use the text is as a reference. My tests come from my lectures, AND MY LECTURES COME FROM THIS BOOK so if there's a concept that I go over in lecture that you need further information on, this textbook is a GREAT resource!

THE TECHNOLOGY YOU NEED FOR THIS COURSE (THIS IS MANDATORY!): It is your responsibility to have the materials you need to be as successful in this course as you can be. As this is an online course, you will need the following in order to access all the aspects of this course:

A desktop computer, laptop, or Chromebook with a Windows, Mac or Chrome operating system. You will also need reliable internet access.

I am well aware that finances may be very tough for some of you. I ask for a purchase of \$69, and that covers everything you'll need in this course textbook-wise, which I think is a pretty reasonable cost for books in a science class. I also need you to have the technology to be able to do this course online. I have placed resources on Canvas for you, but I'll put the website here as well. **THERE ARE RESOURCES HERE THAT CAN HELP YOU!!!** <https://www.deanza.edu/quarter-guide/> If this is going to be an extreme hardship for you, please don't hesitate to talk to me about it! Don't just shine it off, as you won't be able to succeed in this class without having these materials.

ASSIGNMENTS	DATE	POINTS
Three Lecture Exams: (online, non-cumulative)	July 7, July 21, August 4	125 pts. each
Exams will be available from 6:00pm – 9:00pm on those dates. You will have 70 minutes to take the exams once you begin. The exam needs to be submitted no later than 9:00pm.		
Labs:	DUE EVERY SUNDAY OF THE QUARTER BY 11:59PM	
31 LABS IN THE QUARTER	(5 pts. each)	155 pts. possible
Post-Lab Quizzes:	DUE EVERY SUNDAY OF THE QUARTER BY 11:59PM	
30 POST-LAB QUIZZES IN THE QUARTER	(5 pts. each)	150 pts. possible
Lecture Homework Assignments:	DUE BY 11:59PM (July 10, July 24, August 4)	
	(5 pts. each)	50 pts. possible

All chapters covered in lecture will be available. Only 10 need to be completed for credit, so you can choose the 10 chapters you want to do in the quarter.

Topics in Biology Discussions: Weeks of July 4, July 18, July 25 – due Sunday night of these weeks (July 10, July 24, July 31) by 11:59pm (5 pts. each) 15 pts. possible

Presentations: Due August 3rd by 11:59pm 20 pts possible

Virtual Field Trip Due August 3rd by 11:59pm 15 pts. possible

Getting to Know You Due July 5th by 11:59pm 5 pts. possible

785 possible points for this course!!!

GRADING: Final letter grades shall be assigned in accordance with the following percentages/points:

A+	=	97% or higher	761 points or higher
A	=	92-96.9%	722-760
A-	=	90-91.9%	706-721
B+	=	87-89.9%	683-705
B	=	82-86.9%	644-682
B-	=	80-81.9%	628-643
C+	=	77-79.9%	604-627
C	=	70-76.9%	549-603
D	=	55-69.9%	431-548
F	=	54.9% and below	430 points or lower

I do not curve the grades for the course. IT IS IN YOUR BEST INTEREST NOT TO SETTLE ON A GRADE!!! EACH OF YOU DESERVES THE BEST GRADE THAT YOU CAN ACHIEVE!!! DO NOT HESITATE TO TALK TO ME IF YOU ARE FINDING YOURSELF LOST, CONFUSED, OVERWHELMED, BORED OR SCARED ABOUT YOUR GRADE OR ANY OF THE INFORMATION PRESENTED AT THE EARLIEST POSSIBLE SIGN THAT YOU ARE HAVING DIFFICULTY.

Need help? Student Success Center peer tutors can relate and are ready to help!

Go to the [SSC homepage](#) and click on the yellow links for schedules and Zoom links. Please note that offerings may be different in the summer quarter.

- **Individual Weekly or Drop-in Tutoring:** Come with assignments or questions, or just drop by to see how tutoring works.
- **Workshops, group tutoring and group study:** Most people learn better with others...give it a try!
- **Support for online learning:** Speak with a friendly peer tutor or SSC staff member about motivation and organization strategies for online classes. We get it and are going through the same things, so let's support each other!
- **Need after-hours or weekend tutoring?** See the [Online Tutoring](#) page for information about **NetTutor** (via Canvas) or **Smarthinking** (via MyPortal).

EXAMS: The lecture exams will consist of a combination of multiple choice and short answer questions. They will be online and will be timed. The exams are the only part of the course that have a strict day/time component as I will be online when you are taking the exam.

1. The lecture exams will only cover the material within that time period (i.e. the 2nd lecture exam will only cover the material presented AFTER the 1st exam).
2. I will be providing study guides for the lecture exams for you to study from, but in no way are they substitutes for viewing the course material!!!
3. You CANNOT make up an exam!!! This is not fair to the other students.
 - a. It is my experience that certain students always seem to have emergencies come up on exam days. I have found that when I'm "nice" to students, they abuse the privilege. Please be a responsible individual!
 - b. In saying all this, if an uncontrollable emergency or personal crisis arises, I will allow make-ups for **responsible** individuals. If something does happen, let me know the situation as soon as you can, and I will be more flexible.
 - i. IF THIS HAPPENS, IT CAN ONLY HAPPEN ONCE! IF IT HAPPENS MORE THAN ONCE, YOU HAVE MORE IMPORTANT THINGS TO WORRY ABOUT THAN THIS COURSE!!!
 - c. The lecture exams will be open from 6:00pm – 9:00pm on the exam days. Once you begin the exam you will have the allotted exam time to finish the exam (70 minutes). Basically, once you start it, you have to finish it. You can't come back to it. And make sure that you give yourself enough time to take the exam since the exams need to be submitted by 9:00pm. You must take the exam with no outside help from others. You can have any and all of the course material with you as you take the exam. They are open-note, open-book exams. If the day/time exam window doesn't work for you due to circumstances outside of your control, let me know (I will post an announcement on the Monday of each exam week, so contact me then) and we will come up with alternative arrangements for you. You will need to contact me at least 24 hours before the exam so I can adjust the day/time of the exam for you.

IF YOU MISS AN EXAM FOR ANY REASON WITHOUT ANY PRIOR NOTIFICATION: -20 POINTS ON THAT EXAM. IF IT HAPPENS AGAIN IN THE QUARTER, -40 POINTS ON THAT EXAM. IF IT HAPPENS A 3RD TIME IN THE QUARTER, -80 POINTS ON THAT EXAM. (YOU'LL NEED TO CONTACT ME TO RE-OPEN THE EXAMS FOR YOU)

YOUR LABS AND POST-LAB QUIZZES (based on the lab): You have quite a few every week, but they should only take between 10-20 minutes for each lab. You will have 10 minutes to complete each post-lab quiz (5 multiple point questions, worth 1 point for each question). You should definitely try to complete the post-lab quiz right after the lab so the material is fresh in your mind! They should be pretty darn easy and they're open book/open note/open everything.

For every lab you complete, you will receive 5 points. That adds up so it's in your best interest to complete them all. It's best to do the labs after the material is covered in lecture as you'll know a bit more while doing the labs, but it's not a big deal if you don't.

I WILL ACCEPT THE LABS AND POST-LAB QUIZZES LATE WITH A PENALTY: The labs and post-lab quizzes are due every Sunday night by 11:59pm. You need to e-mail me to re-open the lab and post-lab quiz for you. 1 point per day will be taken off of any lab AND post-lab quiz that is late. This lateness is determined by **WHEN** you send me the e-mail. So, if you e-mail me on Sunday night or Monday, 1 point will be taken off each of the labs AND each of the post-lab quizzes that were not completed on time. Tuesday: 2 points will be taken off, Wednesday: 3 points will be taken off, and so on. Once you e-mail me, I will re-open these for you and they will be due by the following Sunday night at 11:59pm. They will not be accepted after that.

YOUR LECTURE HOMEWORK ASSIGNMENTS: These are designed to help you prepare for the lecture exams and really should be completed before the lecture exam. I do give you until Sunday after each lecture exam (except for the final exam), but if you're doing these assignments after the lecture exam, you're not using them for their proper purpose. They are worth 5 points each, and since you can submit them multiple times, you really should get all 5 points possible. You can go back to these assignments as many times as you want in order to prepare for the exams. All chapters covered in lecture will be available. Only 10 need to be completed for credit (50 points are the maximum you can receive), so you can choose the 10 chapters you want to do in the quarter, or you can do them all for extra practice! **I WILL NOT ACCEPT THEM LATE BECAUSE THERE WILL BE 17 LECTURE HOMEWORK ASSIGNMENTS AND YOU ONLY NEED TO COMPLETE 10 OF THEM TO RECEIVE FULL CREDIT, SO YOU HAVE PLENTY OF OPPORTUNITY TO GET ALL 50 POSSIBLE POINTS.**

YOUR TOPICS IN BIOLOGY DISCUSSION POSTS: There will be 3 discussion topics placed on Canvas during the quarter. In order to get these points, you will need to add to the discussion (minimum of 150 words) regarding the topic. If you do this, you will receive the 5 points available for each discussion. The discussion topics will be posted Monday morning and you will need to submit your post by Sunday night of that week by 11:59pm.

I WILL ACCEPT THE DISCUSSION POSTS LATE WITH A PENALTY:

You need to e-mail me to re-open the discussion post for you. 1 point per day will be taken off of any discussion post that is late. This lateness is determined by **WHEN** you send me the e-mail. So, if you e-mail me on Sunday night or Monday, 1 point will be taken off of the discussion post. Tuesday: 2 points will be taken off, Wednesday: 3 points will be taken off, and so on. Once you e-mail me, I will re-open it for you and they will be due by the following Sunday night at 11:59pm. They will not be accepted after that.

YOUR FIELD TRIP: There will be a virtual field trip offered in this course with an assignment based on the field trip. You will need to watch the field trip video in order to complete the assignment. More information will be given to you when the trip is coming up. If you complete the assignment, you will receive up to 15 points. It is due **Wednesday, August 3rd by 11:59pm. and will be available for you on Monday, July 25th.**

I WILL ACCEPT THE FIELD TRIP ASSIGNMENT LATE WITH A PENALTY:

You need to e-mail me to re-open the field trip assignment for you. 5 points per day will be taken off of the field trip assignment for every day that it is late. This lateness is determined by **WHEN** you send me the e-mail. So, if you e-mail me on Wednesday night or Thursday, 5 points will be taken off of the field trip assignment. If you e-mail me on Friday, 10 points will be taken off. It will not be accepted after that.

YOUR PRESENTATIONS: This will be an individual project. You are required to orally present a 2-3 minute seminar/presentation based on a topic in biology (your choice!). You will post the video to Canvas and it will be viewable by me and other students. I will be posting more detailed instructions in the middle of the quarter. If you complete the assignment, you will receive up to 20 points. It is due **Wednesday, August 3rd by 11:59pm and will be available for you on Monday, July 25th.**

I WILL ACCEPT YOUR PRESENTATIONS LATE WITH A PENALTY:

You need to e-mail me to re-open the presentation for you. 5 points per day will be taken off of the presentation for every day that it is late. This lateness is determined by **WHEN** you send me the e-mail. So, if you e-mail me on Wednesday night or Thursday, 5 points will be taken off of the field trip assignment. If you e-mail me on Friday, 10 points will be taken off. It will not be accepted after that.

Presentation grading rubric

	Great	Okay	Doesn't do it
Did you structure your presentation effectively?	5	3	1
Did you seem to understand what you are presenting?	5	3	1
Did you effectively use visual aids?	5	3	1
Did you follow the given instructions (i.e. 2-3 minutes long)?	5	3	1

EXTRA CREDIT POINT OPPORTUNITIES FOR YOU!!!

1. **Scientific paper summary & opinion paper** (20 points maximum):
 - a. Write a 2-3 pg. double-spaced summary of a provided scientific paper (paper topics will be posted to Canvas) (up to 10 points)
 - b. Write a 1-2 pg. double-spaced opinion of the paper or the issue that the paper brings up. (up to 10 points).
 - c. You must get your topic choice to me **AT LEAST** one week before the day of the final exam (topic choices are listed on Canvas). For each day after that, 2 points will be deducted from your paper and/or you will not be sent a paper. I don't want this paper to get in the way of studying for your final.
 - d. The paper **MUST** be in either Microsoft Word, Open Office, Google doc (make sure you give me permission!) or PDF format (please submit via e-mail). I won't be able to open them otherwise.

YOUR PAPER IS DUE AUGUST 4TH BY 11:59pm. IT WILL NOT BE ACCEPTED LATE! IF YOU DO NOT FOLLOW THE INSTRUCTIONS ABOVE, POINTS WILL BE DEDUCTED FROM YOUR PAPER.

WHY DO I OFFER THESE 20 EXTRA CREDIT POINTS, AS WELL AS MANY "GIMME" POINTS (YOUR LABS & DISCUSSION POSTS FOR EXAMPLE)???

This is an online course. Stuff may happen. These points are here for the following purposes:

To stop you from grade begging. I hate grade begging. You get what you get, and now you get up to a 20 point boost, so if you wind up a few points below a certain grade, you actually wound up over 20 points below a certain grade. **If you choose not to boost your grade, that is your decision.**

To reflect the fact that in this online course, stuff may happen. You may accidentally click an answer that you didn't mean to click, or accidentally skip a question. You may find a question or two that you didn't feel was fair. You may forget to turn in a lab or a post-lab quiz. These extra credit points are there to reflect these possibilities. **If you choose not to boost your grade, that is your decision.**

To make things a little less stressful in regards to your grades. **If you choose not to boost your grade, that is your decision.**

So, no grade begging and don't be so hard on yourself if you make a mistake in this class. That's what these extra credit points are here for. We all make dumb mistakes, and in online courses they will happen. **So, please choose to boost your grade.**

SCHEDULE: The following schedule may be modified during the course at my discretion.

DATE	LECTURE TOPIC	LABS & ASSIGNMENTS
WEEK 1	6/27 Course Introduction/Scientific Method (Chapt. 1)	Labs 1 – 7
	6/28 Chemistry (Chapt. 2)	Post-lab Quizzes 2 – 7
	6/29 Molecules (Chapter 3)	Getting to Know You
	6/30 Cells (Chapter 4)	
All labs, post-lab quizzes for the week due by Sunday 7/3 at 11:59pm!!!		
WEEK 2	7/4 NOTHING – INDEPENDENCE DAY HOLIDAY!	
	7/5 Energy (Chapter 5)	Labs 8 – 16
Getting to Know You activity due by TUESDAY 7/5 at 11:59pm!!!		Post-lab Quizzes 8 – 16
	7/6 Photosynthesis (Chapt. 6)	Lecture Homework Assignments Chapters 1-5
7/7 LECTURE EXAM #1 (Chapters 1-5) Available from 6:00-9:00pm		
Lecture Homework Chapters 1-5 and all labs & post-lab questions for the week due by Sunday 7/10 at 11:59 pm!!! Topics in Biology #1 post due by Sunday 7/10 at 11:59pm!!!		
WEEK 3	7/11 Cellular Respiration (Chapt. 7)	Labs 17 – 20
	7/12 Cell Division (Chapt. 8)	Post-lab Quizzes 17 – 20
	7/13 Sexual Reproduction (Chapt. 9)	
	7/14 Genetics (Chapt. 10)	
All labs, post-lab quizzes for the week due by Sunday 7/17 at 11:59 pm!!!		
WEEK 4	7/18 DNA & Protein Synthesis (Chapt. 11)	Labs 21 - 27
	7/19 Catch-up Day!	Post-lab Quizzes 21 – 27
	7/20 Study for the exam!	Lecture Homework Assignments Chapters 6-11
7/21 LECTURE EXAM #2 (Chapters 6-11) Available from 6:00-9:00pm		
Lecture Homework Chapters 6-11 and all labs & post-lab questions for the week due by Sunday 7/24 at 11:59 pm!!! Topics in Biology #2 post due by Sunday 7/24 at 11:59pm!!!		
WEEK 5	7/25 Evolution (Chapt. 14-16)	Labs 28 - 31
	7/26 Microbial Life (Chapt. 17)	Post-lab Quizzes 28 - 31
	7/27 Plants/Fungi (Chapt. 18)	
	7/28 Animals (Chapt. 19)	
All labs, post-lab quizzes for the week due by Sunday 7/31 at 11:59 pm!!! Topics in Biology #3 post due by Sunday 7/31 at 11:59pm!!!		
WEEK 6	8/1 Study for your upcoming exam!	Presentations
	8/2 Study for your upcoming exam!	Lecture Homework Assignments Chapters 14-19
	8/3 Study for your upcoming exam!	
Presentations and Virtual Field Trip Assignment are due by Wednesday 8/3 at 11:59pm!!!		
8/4 LECTURE EXAM #3 (Chapters 14-19) Available from 6:00-9:00pm		
Lecture Homework Chapters 14-19 and Extra Credit Paper due by Thursday 8/4 at 11:59 pm!!!		

CHEATING: Absolutely no form of academic dishonesty or plagiarism will be tolerated. It is unethical, unfair, and a violation of your own intelligence as well as being lame, slimy, and vile. **Anyone caught cheating will be subjected to the most severe academic penalties and receive a 0 on that exam. The incident will also be reported to the college. And the worst part is that you'll feel really guilty, so don't do it!**

ESSENTIAL STUDENT MATERIALS: e-mail, e-book and affiliated online resources (i.e. what you paid \$69 for), technology requirements mentioned earlier.

WITHDRAWAL AND YOUR CONCERNS ABOUT YOUR GRADE: Tuesday, June 28th is the last day to drop the course and receive a refund. The last day to withdraw from the course (without a "W") is Thursday, June 30th. The last day to drop the course (with a "W") is Thursday, July 21st. IF YOU ARE CONCERNED ABOUT YOUR

GRADE, PLEASE COME TALK TO ME AT THE EARLIEST POSSIBLE TIME SO THAT WE CAN DISCUSS YOUR OPTIONS. It is to your great advantage to discuss with me (I don't bite!) any problems you are having early in the quarter so that I can try and assist you as much as possible.

IT IS YOUR RESPONSIBILITY TO OFFICIALLY WITHDRAW SO THAT YOUR TRANSCRIPT RECORD WILL NOT BE ADVERSELY AFFECTED.

Note to students with disabilities: If you have a disability-related need for reasonable academic accommodations or services in this course, provide (name of Instructor) with a **Test Accommodation Verification Form (also known as a TAV form)** from Disability Support Services (DSS) or the Educational Diagnostic Center (EDC). Students are expected to give five days notice of the need for accommodations. Students with disabilities can obtain a TAV form from their DSS counselor (864-8753 DSS main number) or EDC advisor (864-8839 EDC main number).

PLEASE NOTE: I keep exams for 1 year and other work for 1 quarter.

A NOTE FROM THE BHES DIVISION:

The BHES Division is very pleased to announce that we have a BHES dedicated Counselor – Tom Nguyen. Tom can help you set up an education plan and answer questions you may have. Tom is located in KC218 and can be reached by email at nguyentom@fhda.edu or via phone - 408.864.8971.

You are required to comply with all rules and regulations as outlined in the Biological, Health and Environmental Sciences Division Student Handbook as well as those of De Anza College (see the De Anza College Catalog) and the FHDA Community College District. The BHES Division Student Handbook is available on-line at: <http://www.deanza.edu/bhes/StudentHandbook.pdf> as well as in the Science Center and Kirsch Center for Environmental Studies Resource Centers in hard copy. All information in the Student Handbook applies in this course and students will be held accountable for this information. In addition to outlining expectations of classroom behavior, this handbook contains many helpful resources for students as well as ideas to help students succeed in the sciences!