

BIMM 100 - Molecular Biology - Akbari [WI24]

MOLECULAR BIOLOGY – BIMM 100

Winter 2024, 4 UNITS

PROFESSOR: Dr. Omar Akbari, 5101 Tata Hall (Office)

E-mail: oakbari@ucsd.edu (please use the Subject line: BIMM100)

Phone: 858-246-0640 (please identify yourself as a student in BIMM100)

OFFICE HOURS: Friday, 3:00-4PM, starting 3rd week

Omar Akbari, UCSD is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting

<https://ucsd.zoom.us/j/94118965635?pwd=RER1UGVvUHIDbi8xTW44WW1JTXVRQT09>

Meeting ID: 941 1896 5635

Password: 123456

One tap mobile

+12133388477,,94118965635# US (Los Angeles)

+16692192599,,94118965635# US (San Jose)

Dial by your location

+1 213 338 8477 US (Los Angeles)

+1 669 219 2599 US (San Jose)


+1 669 900 6833 US (San Jose)

Meeting ID: 941 1896 5635

Find your local number: <https://ucsd.zoom.us/j/94118965635>

TA/IA Office Hours (See "Zoom" Tab on Canvas):

Coby Lin, IA, sil044@ucsd.edu, (<mailto:sil044@ucsd.edu>),

Office Hours: Every Tuesday @ 3pm: <https://ucsd.zoom.us/j/91369284291> 
(<https://ucsd.zoom.us/j/91369284291>)

Jonny Zhu, TA, joz001@ucsd.edu,

Office Hours: Wednesday @ 12pm: <https://ucsd.zoom.us/j/94699052556> 
(<https://ucsd.zoom.us/j/94699052556>)

TEXTBOOK:

"Molecular Cell Biology, 8th Edition," Lodish et al., 2016, which will be referred to as MCB. There are copies on reserve in the Biomedical Library. The other editions cover mostly the same topics although the page numbers may be different than those listed on the Syllabus.

LECTURES: Time-Tuesdays and Thursdays, 8:00-9:20AM, Warren Lecture Hall (WLH)

Location – WLH and Remote (RCLAS) via ZOOM LINK:

Recording – All lectures will be recorded VIA ZOOM and posted in Canvas.

Omar Akbari, UCSD is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting

<https://ucsd.zoom.us/j/92950445165>

Meeting ID: 929 5044 5165

One tap mobile

+16692192599,,92950445165# US (San Jose)

+16699006833,,92950445165# US (San Jose)

Dial by your location

+1 669 219 2599 US (San Jose)

+1 669 900 6833 US (San Jose)

+1 213 338 8477 US (Los Angeles)

Meeting ID: 929 5044 5165

Find your local number: <https://ucsd.zoom.us/j/abRHfcQGaL>

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DISCUSSION SECTIONS:

On zoom every Wednesday 2-3 PM, <https://ucsd.zoom.us/j/96521745569> 

[\(https://ucsd.zoom.us/j/96521745569\)](https://ucsd.zoom.us/j/96521745569)

*Problem Sets will be released each Friday

WEBSITE:

On Canvas: <http://canvas.ucsd.edu> (<http://canvas.ucsd.edu/>) UCSD students should use their email username and password. Concurrent enrollment (Extension) students are not added automatically. Extension students should obtain a registration token from Extension's student services or the ACMS Help Desk and register for an account. More information is at: <http://sdacs.ucsd.edu/~icc/ce.php>

Late Adds, Waitlisted Students, Drops:

- **Students** are added to Canvas within one business day after officially enrolling in the course in Canvas.
- **Waitlisted students** are automatically given access (you can opt out by emailing its@ucsd.edu (<mailto:its@ucsd.edu>)).
- **Students who remain on the waitlist** and other drops are removed from the course after the end of third week (or 30% through the quarter for summer session).

BIMM 100. MOLECULAR BIOLOGY (4):

Molecular basis of biological processes, emphasizing gene action in context of entire genome. Chromosomes and DNA metabolism: chromatin, DNA replication, repair, mutation, recombination, transposition. Transcription, protein synthesis, regulation of gene activity. Prokaryotes and eukaryotes.

COURSE GOALS:

Molecular biology is the study of gene structure and function at the molecular level. It fuses knowledge and discoveries from various disciplines, including Genetics, Biochemistry, Basic Biology and Organic Chemistry. You should enter this class with a solid understanding of general biology and chemistry and finish this course with a sophisticated understanding of genes and the molecules that regulate their expression and function. You will be introduced to the scientists and their amazing experimental deductions that shaped molecular biology and appreciate that this is an evolving field with frequent novel discoveries and even upheavals in dogma. If you are curious to understand how life functions at the molecular level and how scientists tackle this daunting problem, then welcome to the class and I expect you will do well in this challenging course!

LEARNING OUTCOMES:

1. Know the key concepts of the central dogma of molecular biology
2. Understand the basic levels of gene organization and control of gene expression
3. Understand some of the basic scientific techniques used to study genes, gene expression, and genetic manipulation.
4. Be able to apply molecular biology concepts to human disease and the development of therapeutics.

5. Understand the concepts of genomics, proteomics, and other-omics being used to further understand the relationship between genetic patterns and normal and abnormal functions.

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PREREQUISITES:

You should have successfully completed the prerequisites to register for this course: Prerequisites: BILD 1; BIBC 103 or BILD 4 or BILD 70 or BIMM 101; BENG 120 or CHEM 40A* or CHEM 40AH or CHEM 41A; BENG 120 or CHEM 40B* or CHEM 40BH or CHEM 41B. (Note: Students may not receive credit for both BIMM 100 and Chem. 114C.)

PARTICIPATION

Attendance to class lectures and sections will **not be required**. Exams will be based upon material in class, assigned science readings.

IA DISCUSSION SECTIONS:

Discussion sections are a valuable part of this course and you are expected to take part in them but these are **NOT mandatory**. A team of dedicated students who have recently aced this course or who are in graduate studies in this field will each lead 1 hour sections/ week. The discussions will be based on homework assignments, which will be posted on the website after class on the indicated dates on the syllabus. You should attempt the problem sets yourselves, or with friends in the class, and be prepared to go over your answers in the discussion sections. Undoubtedly, you will get the most out of the discussions if you participate in them instead of just attending to hear the answers to the problems (see tips below). Importantly, the answers to these questions will not be posted.

There will be no discussion sections the first/last weeks of class. Sections will begin the following week. TA's, IAs and Tutors will announce their personal office hours and contact information at the first meeting of the sections. The time and location of discussion sections and office hours will also be posted on the Canvas class website.

ASSIGNMENTS:

Homework assignments will be posted on the class website at Canvas weekly during the quarter (as indicated on your syllabus). Assignments are used as a tool to promote understanding of the discussed topics through problem solving. While the assignments will not be handed in for grading, it is very strongly recommended that you work through the assignments either alone or in study groups.

Exam questions will reflect the homework assignments. Importantly, the answers to these questions will not be posted.

CLICKERS:

Given that this is a remote class – clickers will not be used. However, I will try to incorporate questions into ZOOM and will experiment with this approach throughout the quarter.

EXAMS AND GRADING:

Your performance in the class will be solely determined by your scores on the exams. We will have 2 in class midterms and a comprehensive final exam. Each exam is worth the same amount of points.

There will be three exams and the **lowest is automatically dropped**

Exam 1	100pts
Exam 2	100pts
Cumulative Final Exam	100pts
Total Possible	200pts (lowest exam grade dropped)

This means that there are **NO MAKE UP EXAMS**. Failure to take the exam at the assigned time and place will result in a grade of zero for that exam. Extenuating circumstances related to a medical condition or disability, which prevents you from taking an exam at the scheduled time must be submitted in writing and include official documentation of the cause as far in advance as possible to the instructors. Once exams have been graded, you will be able to view your score at the course website. After the quarter you will also be able to view your final exam score and final grade at this location.

Exams will be administered over Canvas during the scheduled lecture time. Use of cameras, cell phones, tablets or other electronic devices capable of storing information is NOT allowed during the exams. Students may not work collaboratively or seek information from any external sources or notes during the exams.

Any student who is found cheating on the exams will be reported to the Academic Integrity Office according to university policy for an investigation into academic dishonesty (see section on Academic Integrity below).

Students suspected of AI violations on exams will be invited to follow-up meetings where they will be asked to justify their answers (before the graded exams or solutions are released). If the instructor isn't convinced during the meeting, or the student refuses to participate, they're submitted for AI violations.

If you have the grade you desire before the FINAL exam – you can choose NOT to take the final.

In order to ensure that everyone has a chance at getting a grade that reflects the effort that they put into the class, the grading will be based on a standard curve.

That score will be used distribution:

- A 100-91.5%
- A- 91.5-87.5%
- B+ 87.5-83%
- B 83-79%
- B- 79-75%
- C+ 75-70.5%
- C 70.5-66.5%
- C- 66.5-62.5%
- D 62.5%-50%
- F 50-0%

Regrade Policy: The purpose of regrades is to protect you from potential mistakes made by overworked and underappreciated IAs. Requests for regrades must be submitted in writing with a description of the grading error along with your original exam within one week of the exam return date. Please be advised that exams will be photocopied before they are returned to you. Thus, do not alter ANYTHING on an exam for which you are submitting for re-grading. Any inconsistencies will be considered a breach in academic honesty and will be grounds for failure of the course. You can personally deliver these documents to Prof. Akbari.

BONUS EXTRA CREDIT POINTS:

Extra credit will be given to the entire class if 90% of the class fills out their CAPES and other surveys.



Email etiquette: Before e-mailing the instructors, consider carefully whether your question might be already answered in the syllabus, or whether it is best to ask your question in person during office hours. For example, it is difficult to e-mail about concepts that require drawings or demos. If you send

an e-mail, make sure to **include BIMM100**. You must send your email from your UCSD address; please make clear who you are. As always, a well-written and professional e-mail greatly increases the likelihood that you will get a response in a timely manner.

Adds/Drops/Withdrawals: Use Canvas to add into open sections, to waitlist a full section, or to drop the course.

Special Circumstances: You must communicate special needs, including those based on medical conditions or religious beliefs, prior to January 18. These needs will be taken into account only after they have been discussed with the professor. Students with disabilities are given my full support as long as you work through the Office for Students with Disabilities. Excusal from an exam will be granted by the professor only if proper documentation is provided (e.g., from medical/law-enforcement professionals). **No rescheduling or make-up exams are allowed**, except as noted in: <http://www.ucsd.edu/catalog/front/AcadRegu.html>

Students with disabilities: If you have been given an Authorization for Accommodation (AFA) letter from the Office of Students with Disabilities (OSD), you must provide the instructor, and the OSD Liaison with a copy of the letter before any accommodations will be provided. All exam scheduling will be coordinated by you and the instructor, with involvement from the OSD Liaison as needed. In order to guarantee accommodations, you must follow the guidelines established by the Instructor and/or Liaison. OSD exams will run concurrently with the scheduled exam.

Aid & Collaboration: You are encouraged to work together and form discussion groups to learn all aspects of the class. Collaboration or aid on exams is strictly prohibited unless told otherwise.

Academic Integrity: DO NOT CHEAT. All submitted work must be your own. This includes all exams and in-class assignments. Please read the UCSD Policy on Integrity of Scholarship, at: <http://senate.ucsd.edu/manual/Appendices/Appendix2.pdf>

All violations of academic integrity that are noticed by me will be sent to the Office of Academic Integrity without exception. ***If you cheat, you can expect an F for the entire quarter, not just the exam/assignment in question.***

Classroom etiquette in lectures and discussions: The following rules are aimed to keep our classroom environment focused on the task at hand for you and your peers.

You know these basics already:

- Please arrive on time to lecture and discussion.
- Reading newspapers etc., is not allowed.
- All phones must be off during lectures, discussions, and exams.
- Phones/tablets/computers/ must be out of sight during exam periods.

The bottom line is that we will be considerate of one another at all times in lectures and in the discussions.

TIPS FOR SUCCESS:

- Read the assigned pages in MCB before class to prepare yourself for the subject material to be covered. Pay particular attention to the "Key Concepts" at the end of each section.
- Attend the lectures. Lecture slides will be posted on the website ~24 hrs after each class. These serve as a guide, but not a substitute, for class and often the presentation in class will contain additional slides and more detail than the posted version. Everything presented in class is subject for examination. This will include topics and details not necessarily covered in your text or on the posted lecture notes.
- Participate in class. I prefer interactive lectures and will often ask questions. If you offer answers, not only will your attention be engaged, but the question and correct answer will also more likely become embedded in your mind. This is true even if you get the answer wrong - just the act of participating improves your memory much better than a night of cramming.
- Do the assignments. The exam questions will directly reflect the homework problems. I encourage you to work with friends and discuss the problems.
- Attend discussion sections. If you attempt the problem sets before your discussion section meets, you will have a good idea of topics that need further explanation and you can take advantage of a small class setting with an expert to help you fill in the gaps.
- Embrace the opportunity to understand the basics of molecular biology and, perhaps, one day you will contribute to this rapidly expanding and exciting field.

GOOD LUCK!**BIMM100 WINTER 2024 – TENTATIVE SYLLABUS**

Week	DAY	DATE*	LECTURE#	GENERAL TOPIC COVERED	PAGES#
	Tu.	9-Jan	1	Discussion of General Class Overview	None
1	Th.	11-Jan	2	A short Overview of Discovery of DNA	1-9, 41-46, 168-176

2	Tu.	16-Jan	3	DNA Structure / Organization/ Genes & Mobile DNA	301-323
	Th.	18-Jan	4	Genes & Mobile DNA	301-323
3	Tu.	23-Jan	5	Chromosomes, Packaging, DNA Fingerprinting	327-349, 347-349
	Th.	25-Jan	EXAM 1 (80 Minutes - Location Online - Canvas)		
4	Tu.	30-Jan	6	Chromatin Condensation and DNA replication	327-349, 197-201
	Th.	1-Feb	7	Sickle Cell, DNA Repair & Recombination & PCR	327-349, 203-212, 239-241
5	Tu.	6-Feb	8	DNA Repair & Control of Gene Expression in Euk (Pol II)	363-373, 378-380

	Th.	8-Feb	9	Activators, Repressors & Transcription Initiation (Pol II)	373-377, 380-383, 373-374
	Tu.	13-Feb	10	Regulation of Transcription Factor Activity (Pol II) (Recorded)	381-390, 390-397, 398-404, 404-412
	Th.	15-Feb	EXAM 2 (80 Minutes - Location Online - Canvas)		
6	Tu.	20-Feb	11	Class Canceled	-
	Th.	22-Feb	12	mRNA processing & export	180-183, 417-439, 440-445
	Tu.	27-Feb	13	mRNA processing & export – Cont.	180-183, 417-439, 440-445
8				Transcription by	367, 412-414,
	Th.	29- Feb	14	Pol I & Pol III; Translation	461-470, 183-197

	Tu.	5-Mar	15	Non-coding RNAs	447-451, 264-266, 266-268
9	Th.	7-Mar	16	Recombinant DNA methods	234-237, 243-246, 249-251
	Tu.	12-Mar	17	TA Review	-
10	Th.	14-Mar	CUMALATIVE FINAL EXAM (80 Minutes - Location Online - Canvas)		

*DATE - Classes are on Tuesday/Thursday from 8:00-9:20AM In Person and via ZOOM. Lectures will be recorded and uploaded to CANVAS for Asynchronous learning.

#PAGES - In the text "Molecular Cell Biology, 8th Edition," Lodish et al., 2016

Academic Integrity at UCSD

Excerpts from <http://senate.ucsd.edu/Operating-Procedures/Senate-Manual/Appendices/2>

"Integrity of scholarship is essential for an academic community. The University expects that both faculty and students will honor this principle and in so doing protect the validity of University intellectual work. For students, this means that all academic work will be done by the individual to whom it is assigned, without unauthorized aid of any kind. Instructors, for their part, will exercise care in planning and supervising academic work, so that honest effort will be upheld."

Instructors' Responsibility.

"The Instructor shall state in writing how graded assignments and exams will contribute to the final grade in the course. If there are any course-specific rules required by the Instructor for maintaining academic integrity, the instructor shall also inform students of these in writing."

Students' Responsibility. "Students are expected to complete the course in compliance with the instructor's standards. No student shall engage in an activity that involves attempting to receive a grade by means other than honest effort; for example:





☐ ☐ No student shall knowingly procure, provide, or accept any unauthorized material that contains questions or answers to any examination or assignment that is being, or will be, administered.



- ☐ No student shall complete, in part or in total, any examination or assignment for another person.
- ☐ No student shall knowingly allow any examination or assignment to be completed, in part or in whole, for himself or herself by another person.
- ☐ No student shall plagiarize or copy the work of another person and submit it as his or her own work.
- ☐ No student shall employ aids excluded by the instructor in undertaking course work or in completing any exam or assignment.
- ☐ No student shall alter graded class assignments or examinations and then resubmit them for regrading.
- ☐ No student shall submit substantially the same material in more than one course without prior authorization."

Instructional Assistant's (IA) Responsibilities

"A student acting in the capacity of an Instructional Assistant (IA), a category including but not limited to teaching assistants, readers, and tutors, has a special responsibility to safeguard integrity of scholarship. In this role the student functions as an apprentice instructor, under the tutelage of the responsible instructor. An IA shall equitably grade student work in the manner agreed upon with the course instructor. An IA shall not provide a student with any information or collaboration that would aid the student in completing the course in a dishonest manner (e.g., providing access to unauthorized material related to tests, exams, and homework)."

Course Summary:

Date	Details	Due
Tue Jan 9, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] (https://canvas.ucsd.edu/calendar?event_id=986085&include_contexts=course_51427)	8am to 9:15am
Thu Jan 11, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] (https://canvas.ucsd.edu/calendar?event_id=986086&include_contexts=course_51427)	8am to 9:15am
Tue Jan 16, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] (https://canvas.ucsd.edu/calendar?event_id=986087&include_contexts=course_51427)	8am to 9:15am
	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours	3pm to 4pm

Date	Details	Due
	https://canvas.ucsd.edu/calendar?event_id=997704&include_contexts=course_51427	
Wed Jan 17, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=993826&include_contexts=course_51427	2pm to 3pm
	 Problem Set 1 https://canvas.ucsd.edu/courses/51427/assignments/752768	due by 11:59pm
Thu Jan 18, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986088&include_contexts=course_51427	8am to 9:15am
Mon Jan 22, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Lisa Office Hours https://canvas.ucsd.edu/calendar?event_id=997022&include_contexts=course_51427	5pm to 6pm
	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986089&include_contexts=course_51427	8am to 9:15am
Tue Jan 23, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours https://canvas.ucsd.edu/calendar?event_id=997705&include_contexts=course_51427	3pm to 4pm
Wed Jan 24, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Jonny Office Hours https://canvas.ucsd.edu/calendar?event_id=1007149&include_contexts=course_51427	12pm to 1pm
	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=993827&include_contexts=course_51427	2pm to 3pm

Date	Details	Due
	 Problem Set 2 https://canvas.ucsd.edu/courses/51427/assignments/754603	due by 11:59pm
Thu Jan 25, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986090&include_contexts=course_51427	8am to 9:15am
Fri Jan 26, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Office Hour https://canvas.ucsd.edu/calendar?event_id=986058&include_contexts=course_51427	3pm to 4pm
Mon Jan 29, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Lisa Office Hours https://canvas.ucsd.edu/calendar?event_id=997023&include_contexts=course_51427	5pm to 6pm
Tue Jan 30, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986091&include_contexts=course_51427	8am to 9:15am
	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours https://canvas.ucsd.edu/calendar?event_id=997706&include_contexts=course_51427	3pm to 4pm
Wed Jan 31, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Jonny Office Hours https://canvas.ucsd.edu/calendar?event_id=1007150&include_contexts=course_51427	12pm to 1pm
	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=993828&include_contexts=course_51427	2pm to 3pm
Thu Feb 1, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24]	8am to 9:15am

Date	Details	Due
	https://canvas.ucsd.edu/calendar?event_id=986092&include_contexts=course_51427	
Fri Feb 2, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Office Hour https://canvas.ucsd.edu/calendar?event_id=986059&include_contexts=course_51427	3pm to 4pm
Mon Feb 5, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Lisa Office Hours https://canvas.ucsd.edu/calendar?event_id=997024&include_contexts=course_51427	5pm to 6pm
Tue Feb 6, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986093&include_contexts=course_51427	8am to 9:15am
	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours https://canvas.ucsd.edu/calendar?event_id=997707&include_contexts=course_51427	3pm to 4pm
Wed Feb 7, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Jonny Office Hours https://canvas.ucsd.edu/calendar?event_id=1007151&include_contexts=course_51427	12pm to 1pm
	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=993829&include_contexts=course_51427	2pm to 3pm
Thu Feb 8, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986094&include_contexts=course_51427	8am to 9:15am
Fri Feb 9, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Office Hour https://canvas.ucsd.edu/calendar?event_id=986060&include_contexts=course_51427	3pm to 4pm

Date	Details	Due
Mon Feb 12, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Lisa Office Hours (https://canvas.ucsd.edu/calendar?event_id=997025&include_contexts=course_51427)	5pm to 6pm
Tue Feb 13, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] (https://canvas.ucsd.edu/calendar?event_id=986095&include_contexts=course_51427)	8am to 9:15am
	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours (https://canvas.ucsd.edu/calendar?event_id=997708&include_contexts=course_51427)	3pm to 4pm
Wed Feb 14, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Jonny Office Hours (https://canvas.ucsd.edu/calendar?event_id=1007152&include_contexts=course_51427)	12pm to 1pm
	 BIMM 100 - Molecular Biology - Akbari [WI24] (https://canvas.ucsd.edu/calendar?event_id=993830&include_contexts=course_51427)	2pm to 3pm
Thu Feb 15, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] (https://canvas.ucsd.edu/calendar?event_id=986096&include_contexts=course_51427)	8am to 9:15am
Fri Feb 16, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Office Hour (https://canvas.ucsd.edu/calendar?event_id=986061&include_contexts=course_51427)	3pm to 4pm
Mon Feb 19, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Lisa Office Hours (https://canvas.ucsd.edu/calendar?event_id=997026&include_contexts=course_51427)	5pm to 6pm
Tue Feb 20, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24]	8am to 9:15am

Date	Details	Due
	https://canvas.ucsd.edu/calendar?event_id=986097&include_contexts=course_51427	
	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours https://canvas.ucsd.edu/calendar?event_id=997709&include_contexts=course_51427	3pm to 4pm
	 BIMM 100 - Molecular Biology - Akbari [WI24] - Jonny Office Hours https://canvas.ucsd.edu/calendar?event_id=1007153&include_contexts=course_51427	12pm to 1pm
Wed Feb 21, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=993831&include_contexts=course_51427	2pm to 3pm
Thu Feb 22, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986098&include_contexts=course_51427	8am to 9:15am
Fri Feb 23, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Office Hour https://canvas.ucsd.edu/calendar?event_id=986062&include_contexts=course_51427	3pm to 4pm
Mon Feb 26, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Lisa Office Hours https://canvas.ucsd.edu/calendar?event_id=997027&include_contexts=course_51427	5pm to 6pm
Tue Feb 27, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986099&include_contexts=course_51427	8am to 9:15am
	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours	3pm to 4pm

Date	Details	Due
	https://canvas.ucsd.edu/calendar?event_id=997710&include_contexts=course_51427	
Wed Feb 28, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Jonny Office Hours https://canvas.ucsd.edu/calendar?event_id=1007154&include_contexts=course_51427	12pm to 1pm
	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=993832&include_contexts=course_51427	2pm to 3pm
Thu Feb 29, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986100&include_contexts=course_51427	8am to 9:15am
Fri Mar 1, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Office Hour https://canvas.ucsd.edu/calendar?event_id=986063&include_contexts=course_51427	3pm to 4pm
Mon Mar 4, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Lisa Office Hours https://canvas.ucsd.edu/calendar?event_id=997028&include_contexts=course_51427	5pm to 6pm
Tue Mar 5, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986101&include_contexts=course_51427	8am to 9:15am
	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours https://canvas.ucsd.edu/calendar?event_id=997711&include_contexts=course_51427	3pm to 4pm
Wed Mar 6, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Jonny Office Hours	12pm to 1pm

Date	Details	Due
	https://canvas.ucsd.edu/calendar?event_id=1007155&include_contexts=course_51427	
	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=993833&include_contexts=course_51427	2pm to 3pm
Thu Mar 7, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986102&include_contexts=course_51427	8am to 9:15am
Fri Mar 8, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Office Hour https://canvas.ucsd.edu/calendar?event_id=986064&include_contexts=course_51427	3pm to 4pm
	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986103&include_contexts=course_51427	8am to 9:15am
Tue Mar 12, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] - Coby Office Hours https://canvas.ucsd.edu/calendar?event_id=997712&include_contexts=course_51427	3pm to 4pm
Thu Mar 14, 2024	 BIMM 100 - Molecular Biology - Akbari [WI24] https://canvas.ucsd.edu/calendar?event_id=986104&include_contexts=course_51427	8am to 9:15am