

Course Syllabus

Overview of the Curriculum

Scheduling and Enrollment

BIMM 110 will meet at 9:00 - 9:50 AM on MWF in MOS 0113.

An associated 50 min discussion section will be held weekly. It is scheduled to be on zoom each Tuesdays 9:00 - 9:50pm.

Staff Directory and Office Hours

Instructor	e-mail	Office Hours	Location
Chris Day	cdday@ucsd.edu	Wed 4-5 pm	HSS 8025
Andrea Farrell	a1farrel@ucsd.edu	Wed 12 - 1 pm	HSS 8025
Yufei Liu	yul075@ucsd.edu	Tue 2 - 3 pm	AP&M Prime (annex to the north of AP&M proper) 3880
Meghana Akkati	makkati@ucsd.edu	Fri 1 - 2 pm	HSS 1145L

Canvas Learning Management System

We will be using Canvas to deliver our course materials. You will be able to use this course site to download copies of course materials and view your grades. There will be **weekly pages** where news, assignments and embedded podcasts for the lectures will be available. In addition, the **modules tab** can also be used to find all course materials, including folders for each discussion section.

Self Guided Study

There is no required course textbook, but some background reading and scientific papers will be posted on Canvas. All lecture slides will be posted on Canvas and are available for download. Practice problems are provided; they are representative of the kind of questions you will find on exams and

homework. The podcasts for each lecture will be embedded in the weekly pages, but can also be found at the media gallery.

Grade Scale:

We do not curve. Consequently, you are not in competition with anyone for a grade. This means it is advantageous for you to help each other to prepare for the exams. Study groups are encouraged.

Grades will be based on your percentage in the course, if you get above the cut off lines below, it guarantees you at least the minus grade. Grades boundaries within the A, B or C categories will be assigned based on natural gaps in the class progression. In addition, myself and the IA's will look at individual students to determine exactly where to place the grade boundaries. Improvement throughout the quarter will be viewed in a beneficial way.

Grades will be based on your percentage in the course:

90% A (A-, A or A+)

78% B (B-, B or B+)

65% C (C-, C or C+)

55% D

Exams, Assignments and Participation

Your grade for BIMM 110 will be based on your performance on assignments and two exams. The assignments will give you opportunities to work with the material and to practice the kinds of problem-solving skills you will need for the exams. Each of the exams will cover material as described below.

Course Component	Date	Time	Description	Weight %
Mid-term	2/16	in-class exam	Material in first half	15
Final Exam	3/20	8 - 11 AM	Comprehensive	35
Homework	1/27 2/10	Take home	Lowest grade of the three can be dropped.	25

	3/2			
Disease of Interest	2/3 3/9	Take home	Online assignment and Discussion	20
Seminar	3/16	Take home	Report on an in-person seminar that is related to the topic of this class.	5
			Total	100

Exam format:

- Each exam will have short answer questions.
- A one page (US letter size), two sided cheat sheet will be allowed to be used during the exam.

Homework Problems: ([Practice Problems \(https://canvas.ucsd.edu/courses/51429/modules/317432\)](https://canvas.ucsd.edu/courses/51429/modules/317432) are NOT graded Homework)

The three take-home problem sets count for about 25% of your course grade. Note that the lowest score will be dropped.

All late problem sets will be assigned a zero grade.

We encourage you to work together in study groups to discuss the questions, this could help you better understand the material.

If you do choose to work in groups, do not to make the mistake of simply accepting another student's answer and thinking you understand it. You need to attempt the problem set prior to meeting. You will always have a better understanding if you have gone through the problem-solving process.

Please list the names of your collaborators on your assignment. Each student must write her/his own answers, in his/her own words, after working with the group. All homework will be uploaded to gradescope.

Discussion:

The discussion section will be on zoom. Links will be in the "Zoom" tab to the left of canvas. These discussions will be recorded and embedded into the weekly page. There will be a google doc that you

can make requests for problem solving examples, or questions you'd like to discuss. We'll go through as much as possible in the 50min that are allocated.

Podcasts:

Lectures will be recorded and available in the Media Gallery tab in canvas. They will also be embedded in a lecture pages specific for each section. Links will be found on the weekly page.

Lectures and Assignments:

Date	Week	LECTURE	Assignments
1/8	1	Introduction	About You Survey Due
1/10		Topic: Gene Function	
1/12			
1/15	2	Martin Luther King Day	
1/17		Topic: Genetic Tools	
1/19			
1/22	3	Topic: Inexplicable Disease	Homework 1 Due
1/24			
1/26			
1/29	4	Topic: Trinucleotide Repeat	Disease of Interest (Molecular Basis) Due
1/31			
2/2			
2/5	5	Trinucleotide Repeat (continued)	Homework 2 Due
2/7		Topic: Colorblindness	
2/9			
2/12	6	Topic: Achromatopsia	
2/14		Midterm In Class	
2/16			
2/19	7	Presidents Day	
2/22		Topic: Achondroplasia (continued)	
2/24			
2/26	8	Topic: Breast Cancer	Homework 3 Due
2/28			
3/1			
3/4	9	Topic: Epigenetic Diseases	Disease of Interest (Therapy)
3/6			
3/8			
3/11	10	Topic: Cystic Fibrosis	Seminar Due
3/12			
3/15			
	Exam Week	Final Review TBA	
3/20		Final Exam 8am - 11am	

Course Administration

Dr. Day is the first person to contact for all questions of course enrollment, section changes, grade records, signing up for early make-up exams (allowed only exceptional reasons), and any special needs.

Piazza Discussion Board

A live discussion boards will be available during lectures for clarification questions.

It can be used to ask questions relating to the disease material we cover, or general questions. Dr Day and the IA's will try and review the new questions at least once a day.

Do feel free to answer each others questions. Answering each others questions is a good way to solidify your own knowledge.

Board of Directors:

In addition, we would like to have volunteers from the class to serve as class representatives and meet once a week with Dr Day. This is valuable for us since it allows you, the students, to make constructive suggestions, especially if there are logistical problems or other concerns. In short, student concerns can be aired in a way that real changes can be made. In our experience this open communication helps teaching staff and students alike.

Special Needs and Religious Holidays:

Please let Dr. Day know as soon as possible if you have any special needs that we should accommodate or a religious holiday that will conflict with a course activity.

Students' Questions and Feedback:

The staff of this course, lecturer and IAs alike, welcome your questions, suggestions, and comments. We want to get to know you, and we appreciate your feedback.

Academic integrity (<https://students.ucsd.edu/academics/academic-integrity/index.html>
(<https://students.ucsd.edu/academics/academic-integrity/index.html>)._)








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(s) to whom it is assigned, without unauthorized aid of any kind. Anyone caught cheating (includes plagiarizing lab reports, cheating on a test, or changing an answer for a re-grade) will be reported to the Academic Integrity Office.

Inclusion and accessibility (<http://disabilities.ucsd.edu> (<http://disabilities.ucsd.edu>))

Any student with a disability is welcome to contact us early in the quarter to work out reasonable accommodations to support your success in this course. Students requesting accommodations for this course due to a disability must provide a current Authorization for Accommodation (AFA) letter issued by the Office for Students with Disabilities (OSD), which is located in University Center 202 behind Center Hall. Students are required to present their AFA letters to faculty and to the OSD Liaison in the Division of Biological Sciences in advance so that accommodations may be arranged. For further information, contact the OSD at 858-534-4382 or osd@ucsd.edu (<mailto:osd@ucsd.edu>).

Course Summary:

Date	Details	Due
Tue Jan 9, 2024	 BIMM 110 - Discussion (https://canvas.ucsd.edu/calendar?event_id=991945&include_contexts=course_51429)	9am to 10am
Mon Jan 15, 2024	 About You #FinAid (https://canvas.ucsd.edu/courses/51429/assignments/747709)	due by 11:59pm
Tue Jan 16, 2024	 BIMM 110 - Discussion (https://canvas.ucsd.edu/calendar?event_id=991946&include_contexts=course_51429)	9am to 10am
Tue Jan 23, 2024	 BIMM 110 - Discussion (https://canvas.ucsd.edu/calendar?event_id=991947&include_contexts=course_51429)	9am to 10am
Sun Jan 28, 2024	 Homework 1 (https://canvas.ucsd.edu/courses/51429/assignments/747122)	due by 11:59pm
Tue Jan 30, 2024	 BIMM 110 - Discussion (https://canvas.ucsd.edu/calendar?event_id=991948&include_contexts=course_51429)	9am to 10am
Sat Feb 3, 2024	 Disease of Interest (part1)	due by 11:59pm

Date	Details	Due
	https://canvas.ucsd.edu/courses/51429/assignments/747119	
Tue Feb 6, 2024	 BIMM 110 - Discussion https://canvas.ucsd.edu/calendar?event_id=991949&include_contexts=course_51429	9am to 10am
Sat Feb 10, 2024	 Homework 2 https://canvas.ucsd.edu/courses/51429/assignments/747123	due by 11:59pm
Tue Feb 13, 2024	 BIMM 110 - Discussion https://canvas.ucsd.edu/calendar?event_id=991950&include_contexts=course_51429	9am to 10am
Tue Feb 20, 2024	 BIMM 110 - Discussion https://canvas.ucsd.edu/calendar?event_id=991951&include_contexts=course_51429	9am to 10am
Tue Feb 27, 2024	 BIMM 110 - Discussion https://canvas.ucsd.edu/calendar?event_id=991952&include_contexts=course_51429	9am to 10am
Sat Mar 2, 2024	 Homework 3 https://canvas.ucsd.edu/courses/51429/assignments/747124	due by 11:59pm
Tue Mar 5, 2024	 BIMM 110 - Discussion https://canvas.ucsd.edu/calendar?event_id=991953&include_contexts=course_51429	9am to 10am
Sat Mar 9, 2024	 Disease of Interest (part2) https://canvas.ucsd.edu/courses/51429/assignments/747120	due by 11:59pm
Tue Mar 12, 2024	 BIMM 110 - Discussion https://canvas.ucsd.edu/calendar?event_id=991954&include_contexts=course_51429	9am to 10am
Sat Mar 16, 2024	 Seminar Report https://canvas.ucsd.edu/courses/51429/assignments/747126	due by 11:59pm
	 Final https://canvas.ucsd.edu/courses/51429/assignments/747121	
	 Midterm	

Date

Details

Due

<https://canvas.ucsd.edu/courses/51429/assignments/747125>
