Course Syllabus

✎ Edit

BI308 Molecular Biology II Genomics and Epigenetics

Department of Biology, School of Natural Sciences & Mathematics
Spring Semester 2026
Credits: 3

Meeting times & location:
Section 1: Tues & Thurs 11:30 AM – 12:50 PM
Location: Henry Hall, room 203

Professor: Michael Dohm PhD
Office: WSC 108
Office phone: (808) 739-8543
Office Hours: You are welcome to drop by anytime -- my Spring Schedule is posted outside my door & available in CANVAS (**click to follow link (https://chaminade.instructure.com/courses/45020/pages/drd-schedule)**).

Scheduled office hours:

Mon & Thurs	3 - 4:30pm

- Or by appointment -- send request in CANVAS.
- You do not need an appointment to visit during scheduled office hours!

E-mail: mdohm [at] chaminade.edu (current students, please use CANVAS messaging)

A pdf version of the syllabus is available from the **Syllabus Archive (https://syllabus.chaminade.edu/)**

Course description:

Genomics & Epigenetics is a one semester introduction to the study of genomes (the entirety of an organism's heredity information) and epigenetics, the heritable changes in gene expression as a result of changes other than DNA sequence alterations in biological organisms. Since the late 1990s, the discipline of genomics has witnessed a revolution in methods and discovery. The impact of this revolution can be seen in the food we purchase, the way our diseases are diagnosed, and perhaps even how we view ourselves.

Through lecture and discussion, we will explore these topics and reflect upon how the technology and discovery in genomics impacts the environment and human society. We will discuss genome structure and how to locate elements like a specific gene to a particular region of the genome, incorporating use of new technologies like genome wide mutant screens and RNA interference, and non-Mendelian inheritance as a result of epigenetic changes to DNA. Students will be introduced and gain experience with software tools to interrogate genomic data.

Catalog: BI 308 Molecular Biology II Genomics and Epigenomics (3)

Components and architecture of genomes. Linkage, physical mapping, and DNA sequencing. Comparing genomes of different species. Role of gene expression and gene networks in differentiation and morphogenesis. Role of DNA methylation and chromatin remodeling in regulation of genes. Role of regulatory RNAs in gene expression. Prerequisites: BI-307.

Required textbook

Genomes 5, 2023, by T. A. Brown (ISBN: 9780367674076); There will be additional, required readings provided by the instructor throughout the course.

Recommended textbooks:

A previous edition of our textbook, Genomes 4, was our required book for the course as recently as Spring 2024; however, you are encouraged to purchase the newer edition -- the two are substantially different. Earlier editions are not advisable -- the subject has changed that much!

Introduction to Genomics, 2nd ed., 2012, by Arthur Lesk (ISBN: 978-0199564354); *Concepts of Genetics, 11th edition, by Klug et al.* (ISBN: 978-0-321-94891-5); *Genome: The autobiography of a species in 23 chapters*, by Matt Ridley (ISBN: 978-0060894085); *Life's greatest secret: The race to crack the genetic code*, by Matthew Cobb (ISBN: 978-0465062676).

Access to course website:

BI308 Genetics & Epigenetics is a web-enhanced course, managed by CANVAS, the course management system used by Chaminade University.

You may access the CANVAS site directly at **https://chaminade.instructure.com/courses/45020 (https://chaminade.instructure.com/courses/45020)** . Select BI308 Genomics & Epigenetics Lecture from the welcome screen and logon to the course. Use your CUH ID and password. Access to CANVAS is maintained by the IT department -- send access questions to **helpdesk@chaminade.edu (mailto:helpdesk@chaminade.edu)** . Student's are required to sign-on and routinely access course resources at the CANVAS site.

All course content and assignments are maintained by Dr Dohm -- course content is not affiliated nor supported by Chaminade Information technology. All lecture slides, course handouts, including the syllabus, will be made available through our CANVAS course website. Quizzes typically will also be handled via the CANVAS website although other arrangements for taking quizzes are available to the student upon request.

Connect to Chaminade's WI-FI: **Chaminade Network Access (https://nac.chaminade.edu)**

Semester schedule

For Lecture schedule, go to **BI308 Lecture Schedule (https://chaminade.instructure.com/courses/45020/pages/bi308-lecture-schedule)**

Week 9	Exam01
Week 13	Exam02
Finals week	Monday 4 May, 3:30 - 5:30pm

Course assessment

Your grade will be the result of points earned from worksheets and exams.

Quizzes and Worksheets, hereafter simply referred to as Quizzes, consist of testing of concepts (true false, multiple choice, short answer) and from case studies with instructions on a particular genomics or bioinformatics problem. Work may include: use of online databases and bioinformatics tools and will be supported by work in laboratory exercises. These assignments are managed by CANVAS -- although you will be allowed up to three attempts, the highest attempt is the graded attempt. Note that each quiz and or worksheet counts as 2.5% weight towards final grade; therefore, these exercises are indented to give student assess learning. The lowest two quiz scores will be dropped.

Three exams, each based on about 10 lectures from up to five chapters from the lectures, quizzes, worksheets and required textbook. Exams will include about 20 questions (approximately 70% multiple choice, 20% short answer format; 10% "essay"). Each exam is cumulative – that is, Exam 2 may include concepts and terms discussed prior to Exam 1, and so forth.

Each exam may include opportunities for bonus points (10% per exam). Bonus is earned for correctly defining terms selected by the instructor. Additional bonus points may be earned from answering questions I post on the Ask Dr Dohm Forum.

In lieu of a cumulative final exam, we require student's complete a project. Replacing a cumulative final examination with a project-based assessment is justified because it more validly measures students' ability to apply, integrate, and communicate course concepts in authentic contexts. A well-designed project requires students to synthesize knowledge across topics, analyze data or case material, and demonstrate higher-order cognitive skills—outcomes that align more closely with course learning objectives than a time-limited recall-based exam. In addition, project-based assessment better reflects professional and scientific practice,

supports deeper learning, and provides instructors with richer evidence of student understanding and skill development.

Attendance: Employers emphasize showing up for work, on time; reliability is a key characteristic of successful employment. Therefore, and in keeping with your Biology program, attendance is expected. For REMOTE students, attendance is recorded based on CANVAS activity -- the minimum expectation for REMOTE attendance is 3 hours logged on to BI308 CANVAS and a minimum of two page views. In-person attendance will be taken at random during the semester (i.e., the instructor won't take daily roll call). If you miss more than one lecture for any unexcused absence this will be included as a note in my grade book. Continued absence puts the student at risk of administrative withdrawal from the course (see Student Handbook). If you know you will miss class, please contact Dr Dohm via CANVAS messaging in advance.

Course Credit Hour Expectations

BI-308 is a three-credit hour course and therefore requires a minimum of 135 hours of student engagement (see CUH Credit Hour Policy). One university semester credit hour typically includes one hour of in-class contact time with the professor plus two hours of preparation time by the student. Thus, over the course of the semester, students enrolled in BI-308 are expected to spend about 40 hours in class, 20 hours on quizzes, 20 hours on homework, 25 hours on the project (plus additional time in lab), and up to 30 hours preparing for the three exams. These times are approximate -- individual needs may vary. Time spent outside of class by students may be better expressed by tasks to do. For example, students can re-write and update lecture notes, perform focused reading from the textbook and other resources, coding and problem solving, developing concept maps, and creating and taking practice exams.

Final grade:

A total of 500 points may be earned throughout the semester; each item has the following value.

Item	How many?	How often?	How many points?	Total points towards final grade	Weight
Quizzes & homework	12	every 1-2 weeks	5 lowest 2 quiz scores dropped	50	10%
Attendance & participation	15	every day		50	10%
Exams	3	every 4-5 weeks	100	300	60%
Project	1	multiple parts		100	20%

Your letter grade will be based on the following point distribution out of 500 points possible.

Points earned	Percent of total	Letter grade
450-500	90-100%	A
400-449	80-89%	B
350-399	70-79%	C
300-349	60-69%	D
299 or fewer	< 60%	F

Official grade records

Canvas provides a way for you to monitor your graded assignments. This is convenient, but students should be aware that the final word about grades depends on the Official Grade Book for the course. Thus, although the Canvas record will show your points for an assignment, be advised that your assigned grade is finalized by the official grade book, which is maintained by Dr Dohm. You may always inquire about your current standing in the course by sending a message to Dr Dohm, within Canvas.

Technical Assistance for Canvas Users

Search for help on specific topics or get tips in Canvas Students

- Live chat with Canvas Support for students
- Canvas Support Hotline for students: +1-833-209-6111
- Watch this video to get you started
- Online tutorials: click on "Students" role to access tutorials
- Contact the Chaminade IT Helpdesk for technical issues: helpdesk [at] chaminade.edu or call (808) 735-4855

Tutoring and Writing Services

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua 'Ike: Center for Student Learning in a variety of subjects (including, but are not limited to biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check Kōkua 'Ike's website (**chaminade.edu/student-success/kokua-ike/** ⤢ **(https://chaminade.edu/student-success/kokua-ike/)**) for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via Smarthinking. Smarthinking can be accessed 24/7 from your Canvas account. Simply click Account – Notifications – Smarthinking. For more information, please contact Kōkua 'Ike at tutoring@chaminade.edu or 808-739-8305.

Course learning outcomes (CLO)

This course will introduce students to the foundational concepts of molecular genetics, genomics, and bioinformatics. Students will enhance abilities to discuss potential benefits and risks of genetic technology to the environment and or to human health and society.

1. Genome Organization: Analyze and describe the structural organization of eukaryotic and prokaryotic genomes, including genes, regulatory elements, and non-coding regions.
2. Genome Assembly: Explain and evaluate how sequencing technologies, computational software, and reference knowledge are integrated to produce genome assemblies.
3. Gene Identification: Use molecular genetic and bioinformatic tools to locate and annotate genes and other functional genomic elements.
4. Gene Regulation: Compare and analyze local (cis) and genomic (trans and epigenetic) mechanisms controlling gene expression.
5. Allele-Specific Inheritance: Interpret how DNA sequence variation and genomic imprinting generate allele-specific patterns of inheritance.
6. Functional Evidence Evaluation: Evaluate multiple lines of experimental and computational evidence to determine the biological function of genes, regulatory elements, and genomic regions.

Biology Program Learning Outcomes (PLO)

Upon completion of the B.S. degree program in Biology* the student will demonstrate the following:

1. Explain fundamental biological concepts and their interrelationships across various levels of biological organization, from molecules to ecosystems, including cell biology, genetics, evolution, physiology, and ecology.
2. Perform laboratory, field and computational techniques relevant to biological research, including accurate data collection, analysis, and interpretation.
3. Design and conduct scientific investigations using advanced methodologies, technologies, and resources, and communicate results effectively to professional and lay audiences.
4. Make ethically informed decisions in biological research and practice, considering bioethics, environmental ethics informed by indigenous and traditional knowledge and practices.
5. Analyze societal challenges related to health and the environment through the lens of biological science, recognizing how biological knowledge and associated career paths can contribute to studying, addressing, and solving these challenges.

* See **Chaminade University Undergraduate Catalog** ⇗ **(https://catalog.chaminade.edu/course/biology)**

Course learning outcomes and linkages to Program Learning Outcomes (PLO)*:

Students will be expected to demonstrate an understanding of

CLO	PLO1	PLO2	PLO3	PLO4	PLO5
1. Genome Organization	X	X	X		
2. Genome Assembly	X	X	X		
3. Gene Identification	X	X	X		
4. Gene Regulation	X	X	X		X

CLO	PLO1	PLO2	PLO3	PLO4	PLO5
5. Allele-Specific Inheritance	X	X	X		X
6. Functional Evidence Evaluation	X	X	X		X

Alignment of Natural Sciences Courses with Marianist and Hawaiian values of the University.

The Natural Sciences Division provides an integral, quality education: sophisticated integrative course content taught by experienced, dedicated, and well-educated instructors.

- We educate in family spirit – every classroom is an Ohana and you can expect to be respected yet challenged in an environment that is supportive, inclusively by instructors who take the time to personally get to know and care for you.
- We educate for service, justice and peace, since many of the most pressing global issues (climate change, health inequity, poverty, justice) are those which science and technology investigate, establish ethical parameters for, and offer solutions to.
- We educate for adaptation and change. In science and technology, the only constant is change. Data, techniques, technologies, questions, interpretations, and ethical landscapes are constantly evolving, and we teach students to thrive on this dynamic uncertainty.

The study of science and technology can be formative, exploring human creativity and potential in the development of technologies and scientific solutions, the opportunity to engage in the stewardship of the natural world, and the opportunity to promote social justice. We provide opportunities to engage with the problems that face Hawaiʻi and the Pacific region through the Natural Sciences curriculum, in particular, those centered around severe challenges in health, poverty, environmental resilience, and erosion of traditional culture. The Marianist Educational Values relate to Native Hawaiian ideas of mana, na'auao, ohana, aloha and aina. We intend for our Natural Sciences programs to be culturally-sustaining, rooted in our Hawaiian place, and centered on core values of Maiau, be neat, prepared, careful in all we do; Makawalu, demonstrate foresight and planning; `Ai, sustain mind and body; Pa`a Na`au, learn deeply.

Alignment of BI308/L with Marianist and Hawaiian values of the University

BI308/L Molecular Biology II Genomics and Epigenetics lecture and lab provide an integral quality education; they are the extension of BI307/L, the first genetics courses, and provide students a foundation in evolutionary biology and genetics. These topics are essential to understanding today's biological and medical research, and successful completion of the courses will support continuning success in several upper division science courses, including but not limited to BI311, BI320/L, BI321/L, BI411L and BI471/L. As each new topic is introduced throughout the semester, a point is made to link the current subject matter with those future biology courses. Additionally, it is highlighted how the subject matter may be integrated with other sciences like chemistry and physics so that students understand that this course, as well as biology in general, is not a

standalone course. To be successful and utterly understand biology one needs to understand how it relates to the bigger scientific community.

This course also focuses on educating in the family spirit. This is done by emphasizing that science is not done in a vacuum. Throughout the semester there are several small group projects/presentations both within the lecture and the lab. These are designed to not only assist student in learning the subject matter but to encourage them to build relationships within the peer groups. In order to foster collaborative learning homework assignments are given such that students are instructed to answer in their own words; however students are strongly encouraged to work with their peers to find and discuss the answers to these questions.

Course and University Policy, Reminders, and Notices:

Student with Disabilities Statement

Chaminade University of Honolulu offers accommodations for all actively enrolled students with disabilities in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act (2008).

Students are responsible for contacting Kokua Ike: Center for Student Learning to schedule an appointment. Verification of their disability will be requested through appropriate documentation and once received it will take up to approximately 2–3 weeks to review them. Appropriate paperwork will be completed by the student before notification will be sent out to their instructors. Accommodation paperwork will not be automatically sent out to instructors each semester, as the student is responsible to notify Kokua Ike via email at **ada@chaminade.edu (mailto:ada@chaminade.edu)** each semester if changes or notifications are needed.

Kōkua ʻIke: Tutoring & Learning Services

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua ʻIke: Center for Student Learning in a variety of subjects (including, but are not limited to biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check **Kōkua ʻIke's (https://chaminade.edu/student-success/kokua-ike/)** website for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via TutorMe. Tutor Me can be accessed 24/7 from your Canvas account. Simply click on Account > TutorMe. For more information, please contact Kōkua ʻIke at **tutoring@chaminade.edu (mailto:tutoring@chaminade.edu)** or 808-739-8305.

TITLE IX AND NONDISCRIMINATION STATEMENT:

Chaminade University of Honolulu is committed to providing a learning, working and living environment that promotes the dignity of all people, inclusivity and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. For pregnant and parenting students, I am also obligated to provide you with similar resources for support and protections available to you. My goal is to

make sure that you are aware of the range of options available to you and have access to the resources and support you need.

Nondiscrimination Policy & Notice of Nondiscrimination

The university is committed to comply with all State and Federal statutes, rules, and regulations which prohibit discrimination. The university is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin (including shared ancestry and ethnic characteristics), ancestry, citizenship, disability, genetic information, marital status, breastfeeding, arrest and court record (except as permissible under State law), sexual orientation,or status as a covered veteran. Inquiries about Title IX or general Civil Rights concerns may be referred to the University's Title IX Coordinator, the U.S. Department of Education's Office for Civil Rights, or both and contact information may be found **HERE** (https://chaminade.edu/titleix/nondiscrimination/) . On-campus Confidential Resources may also be found here at **CAMPUS CONFIDENTIAL RESOURCES** (https://chaminade.edu/titleix/resources-and-support/) .

The University's Nondiscrimination Policy and Grievance Procedures can be located on the University webpage at: **https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/** (https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/) .

To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to the **Campus Incident Report form** (https://cm.maxient.com/reportingform.php?ChaminadeUniv&layout_id=0) . Chaminade University of Honolulu prohibits sex discrimination in any education program or activity that it operates.

The NOTICE of NONDISCRIMINATION can be found here: **Notice of Nondiscrimination** (https://chaminade.edu/compliance/title-ix-nondiscrimination-policy/) .

Hazing Prevention Resources and Athlete Helpline:

Assists athletes, parents, coaches, and any allies interested in ensuring physical and mental safety for sports communities by offering confidential emotional support, crisis intervention, informational athlete-focused resources, and guidance related to concerns about any type of abuse—including hazing.

Chaminade University's Hazing Policy:

https://catalog.chaminade.edu/studenthandbook/codeofconduct (https://catalog.chaminade.edu/studenthandbook/codeofconduct)

(https://catalog.chaminade.edu/studenthandbook/codeofconduct) **https://hazingpreventionnetwork.org/athlete-helpline/** (https://hazingpreventionnetwork.org/athlete-helpline/)

(https://hazingpreventionnetwork.org/athlete-helpline/) **https://hazingpreventionnetwork.org/how-to-report-hazing/** (https://hazingpreventionnetwork.org/how-to-report-hazing/)

Basic Needs Resources:

https://chaminade.edu/basic-needs/ (https://chaminade.edu/basic-needs/)

Campus Safety/ SafeSwords

A program for students, faculty and staff, who may feel uncomfortable or unsafe walking alone on campus, at any time of the day. Call security, and a security professional will meet you at your location on campus. The security professional will escort you to your residence hall, car, etc. Students may utilize this when walking to and from night classes around campus or after late night events. **SafeSwords webpage (https://chaminade.edu/student-life/security/campus-safeswords-program/)**

CUH Alert Emergency Notification

To get the latest emergency communication from Chaminade University, students' cell numbers will be connected to Chaminade's emergency notification text system. When you log in to the Chaminade portal, you will be asked to provide some emergency contact information. If you provide a cellphone number, you will receive a text from our emergency notification system asking you to confirm your number. You must respond to that message to complete your registration and get emergency notifications on your phone.

Assessment for Student Work

With the goal of continuing to improve the quality of educational services offered to students, Chaminade University conducts assessments of student achievement of course, program, and institutional learning outcomes. Student work is used anonymously as the basis of these assessments, and the work you do in this course may be used in these assessment efforts.

Canvas "grading"

Canvas "grades" are tentative and not official. Canvas scores available to students are not official until the instructor announces such to the class. CANVAS does not keep track of any BONUS assignment scores given. Official grading is done by the instructor and records are kept on the instructor's computer.

Instructor and Student Communication

Please ask questions during class -- interrupt the lecture, it's OK!

Weekly discussions are available, too. Please post and do respond to classmate postings!

Outside of class:

- use CANVAS Messaging to communicate with the instructor, not CUH email.
- DrD has an open-office policy -- if he's in his office you are encouraged to drop by and chat about biology!
- Official office hours are Monday & Thursday 3 - 4:30pm

Questions about assignments, but not grade challenge for assignments should be asked during class time. All questions for this course can be posted to the instructor via CANVAS Messaging. Online (e.g., Zoom) and in-person conferences can be arranged. Most messages to Canvas will be replied within 24 hours between Monday and Thursday; Weekend or Friday messages will be replied to on Monday. Please note that questions or communication about the course sent to instructor's chaminade.edu e-mail may take up to 7 days for response. In general, the reply will not answer the question but will request you repost at the proper venue (CANVAS Messaging).

Graded materials will generally be returned within 7 - 10 days.

CANVAS allows Comments and the instructor will use this feature to add context to grading of assignments. If you have questions or are instructed to follow up based on Comments, please communicate via CANVAS Messaging, not by adding to the assignment comments.

Attendance Policy

The following attendance policy is from the **Chaminade University Undergraduate Catalog (https://catalog.chaminade.edu/generalinformation/academicaffairs/policies/attendance)** : Students are expected to attend regularly all courses for which they are registered. Student should notify their instructors when illness or other extenuating circumstances prevents them from attending class and make arrangements to complete missed assignments. Notification may be done by emailing the instructor's Chaminade email address, calling the instructor's campus extension, or by leaving a message with the instructor's division office. It is the instructor's prerogative to modify deadlines of course requirements accordingly. Any student who stops attending a course without officially withdrawing may receive a failing grade. Unexcused absences equivalent to more than a week of classes may lead to a grade reduction for the course. Any unexcused absence of two consecutive weeks or more may result in being withdrawn from the course by the instructor, although the instructor is not required to withdraw students in that scenario. Repeated absences put students at risk of failing grades. Students with disabilities who have obtained accommodations from the Chaminade University of Honolulu ADA Coordinator may be considered for an exception when the accommodation does not materially alter the attainment of the learning outcomes. Federal regulations require continued attendance for continuing payment of financial aid. When illness or personal reasons necessitate continued absence, the student should communicate first with the instructor to review the options. Anyone who stops attending a course without official withdrawal may receive a failing grade or be withdrawn by the instructor at the instructor's discretion.

Online Attendance

During the first three weeks (subject to change), this course is primarily online. Attendance for this course during the online phase is based on the (1) timely submission of assignments and/or (2) logging onto the course at least once per week. Students will receive credit for 'attending' the class each time a weekly assignment is submitted and/or each time student signs on to the course and navigate to at least one page or module removed from the home page within the Canvas system for the course. Some weekly lessons require the submission of one assignment, some require two. Each lesson will indicate when it is complete. The student is responsible for pressing the 'submit' button each time he or she has completed an assignment. If the page indicating that the assignment has been submitted does not appear, then the assignment has not been submitted.

Late Work Policy

Assignments are due according to the BI216 schedule and we use CANVAS to assist management of due dates. CANVAS provides two dates, the **due date** and a later date and time that the assignment may be submitted (displayed as **Available** and date/time range). Class policy holds that there is up to 12 hour grace period from the due date, but no additional time post the last submit date and time.

Quizzes and homework are due by 5pm HST on the assigned date. If CANVAS is used for the quiz or assignment, note that CANVAS may mark the work late -- however, per the first sentence in this notice, there is up to 12 hour grace period.

After the grace period, a 10% grade reduction may be assessed for each 12 hour late assignment. All quizzes and assignments close by 3 days post the due date.

There are no make-ups for exams, homework, or quizzes without a physician's note or letter from Dean of Students office documents your absence during the assignment due date. Journal article presentations CANNOT be made-up. In the absence of such notes, you are still encouraged to communicate with the instructor should you expect to miss a class assignment.

There are no make-ups for exams, homework, or quizzes without a physician's note or letter from Dean of Students office documents your absence during the assignment due date. Journal article presentations CANNOT be made-up. In the absence of such notes, you are still encouraged to communicate with the instructor should you expect to miss a class assignment.

Grades of "Incomplete"

Students and instructors may negotiate an incomplete grade when there are specific justifying circumstances. An Incomplete Contract (available from the Divisional Secretary and the Portal) must be completed. When submitting a grade, the "I" will be accompanied by the alternative grade that will automatically be assigned after 30 days. These include IB, IC, ID, and IF. If only an "I" is submitted the default grade is F. The completion of the work, evaluation, and reporting of the final grade is due within 30 days after the end of the semester or term. This limit may not be extended.

Writing Policy

Instructions for the writing assignments are detailed for each individual assignment on the canvas course page.

Potential resources for writing assignments:

- Google Scholar
- Pubmed
- Sullivan Library

Cell phones, tablets, and laptops

Instructor policy: Students are encouraged to use personal digital devices during class provided such use does not distract others or interfere with class activities.

University policy. Music Devices and Cellular Phones: *Unless specifically permitted by your instructor* [emphasis by instructor], use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes, as it is discourteous and may lead to suspicion of academic misconduct. Students unable to comply will be asked to leave class. Out of consideration for your classmates, please set your cell phone to silent mode during class. Students are encouraged to bring laptops or tablets to class as the instructor will assign online activities and readings that will require the use of a laptop or tablet. Laptops

and tablets should not be misused, such as checking distracting websites. Use your best judgment and respect your classmates and instructor.

Recording of lecture material

Students may not record audio or video of lectures conducted by the instructor nor of any media presented during the lecture without prior permission from the instructor. All materials presented in class by the instructor will be made available to students.

Academic honesty

Academic integrity is the commitment by all members of the academic community -- educators, researchers, scholars, and students -- to act with honesty, trust, fairness, respect, and responsibility. Academic honesty is an essential aspect of all learning, scholarship, and research. It is one of the values regarded most highly by academic communities throughout the world. Violations of the principle of academic honesty are extremely serious and will not be tolerated.

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty to an instructor or to a University official. Academic dishonesty may include theft of records or examinations, alteration of grades, and plagiarism, in addition to more obvious dishonesty.

Questions of academic dishonesty in a particular class are first reviewed by the instructor, who must make a report with recommendations to the Dean of the Academic Division. Punishment for academic dishonesty will be determined by the instructor and the Dean of Academic Division and may include an "F" grade for the work in question, an "F" grade for the course, suspension, or dismissal from the University.

Violations of Academic Integrity: Violations of the principle include, but are not limited to:

- Cheating: Intentionally using or attempting to use unauthorized materials, information, notes, study aids, or other devices in an academic exercise.
- Fabrication and Falsification: Intentional and unauthorized alteration or invention of any information or citation in an academic exercise. Falsification is a matter of inventing or counterfeiting information for use in any academic exercise.
- Multiple Submissions: The submission of substantial portions of the same academic work for credit (including oral reports) more than once without authorization.
- Plagiarism: Intentionally or knowingly presenting the work of another as one's own original work (i.e., without proper acknowledgment of the source).
- Abuse of Academic Materials: Intentionally or knowingly destroying, stealing, or making inaccessible library or other academic resource materials.
- Complicity in Academic Dishonesty: Intentionally or knowingly helping or attempting to help another to commit an act of academic dishonesty.

Plagiarism includes, but is not limited to:

- Complete or partial copying directly from a published or unpublished source without proper acknowledgement to the author. Minor changes in wording or syntax are not sufficient to avoid charges of plagiarism. Proper acknowledgement of the source of a text is always mandatory.

- Paraphrasing the work of another without proper author acknowledgement.
- Use of generative artificial intelligence (AI) without permission by instructor. Sentences, paragraphs, or entire papers written by AI is not original work.
  - Students are encouraged to utilize change tracking and history functions of their word processing software to help document that a work is original to the student.
- Submitting as one's own original work, however freely given or purchased, the original exam, research paper, manuscript, report, computer file, or other assignment that has been prepared by another individual.

For the most up to date information, please refer to the **Academic Honesty Policy (https://catalog.chaminade.edu/academicaffairs/policies/academichonesty)** on the Chaminade University Catalog website.

CANVAS assignments

The CANVAS summary is provided for your convenience -- check Course Schedule page for deadlines

Course Summary:

Date	Details	Due
Fri Jan 16, 2026	🚀 **Quiz00 (https://chaminade.instructure.com/courses/45020/assignments/464135)**	due by 5pm
Thu Apr 9, 2026	📝 **Exam02 (https://chaminade.instructure.com/courses/45020/assignments/464144)**	due by 12:50pm
	📝 **BONUS Assignment: What makes for good research (https://chaminade.instructure.com/courses/45020/assignments/464145)**	
	📅 **Course Evaluation (https://chaminade.instructure.com/calendar?event_id=52107&include_contexts=course_45020)**	
	📝 **Epidemic simulation (https://chaminade.instructure.com/courses/45020/assignments/464146)**	
	📝 **Exam03 Spring 2024 (https://chaminade.instructure.com/courses/45020/assignments/464147)**	
	🚀 **First BI308 pretest (https://chaminade.instructure.com/courses/45020/assignments/464128)**	
	📝 **Gene concept: Wordcloud & Revise lists**	

(https://chaminade.instructure.com/courses/45020/assignments/464148)

📝 **Genome elements**
(https://chaminade.instructure.com/courses/45020/assignments/464149)

🚀 **Quiz01**
(https://chaminade.instructure.com/courses/45020/assignments/464126)

🚀 **Quiz02**
(https://chaminade.instructure.com/courses/45020/assignments/464131)

🚀 **Quiz03**
(https://chaminade.instructure.com/courses/45020/assignments/464142)

🚀 **Quiz04**
(https://chaminade.instructure.com/courses/45020/assignments/464125)

🚀 **Quiz05**
(https://chaminade.instructure.com/courses/45020/assignments/464130)

🚀 **Quiz06**
(https://chaminade.instructure.com/courses/45020/assignments/464127)

🚀 **Quiz07**
(https://chaminade.instructure.com/courses/45020/assignments/464139)

🚀 **Quiz08**
(https://chaminade.instructure.com/courses/45020/assignments/464129)

🚀 **Quiz09**
(https://chaminade.instructure.com/courses/45020/assignments/464141)

🚀 **Quiz10**
(https://chaminade.instructure.com/courses/45020/assignments/464134)

🚀 **Quiz11**
(https://chaminade.instructure.com/courses/45020/assignments/464137)

🚀 **QuizENCODE**
(https://chaminade.instructure.com/courses/45020/assignments/464138)

📝 **Race and genetics topic**
discussion
(https://chaminade.instructure.com/courses/45020/assignments/464150)

Date	Details	Due

📝 **Reflection - Elizabeth Holmes**
(https://chaminade.instructure.com/courses/45020/assignments/464151)

🚀 **Second BI308 pretest**
(https://chaminade.instructure.com/courses/45020/assignments/464133)

📝 **Sequence Assembly**
(https://chaminade.instructure.com/courses/45020/assignments/464152)

📅 **Student Course Evaluation**
(https://chaminade.instructure.com/calendar?
event_id=52108&include_contexts=course_45020)

📅 **Student Course Evaluation**
(https://chaminade.instructure.com/calendar?
event_id=52109&include_contexts=course_45020)

📝 **Submit your list of terms for the**
concept of a gene
(https://chaminade.instructure.com/courses/45020/assignments/464153)

📝 **Terms_in_BI308**
(https://chaminade.instructure.com/courses/45020/assignments/464154)

📝 **Update human genome gene**
count
(https://chaminade.instructure.com/courses/45020/assignments/464155)

📝 **What's a gene? Make a mind**
map
(https://chaminade.instructure.com/courses/45020/assignments/464156)

📝 **What's a gene? New mind map**
project
(https://chaminade.instructure.com/courses/45020/assignments/464157)

📝 **What's in total RNA?**
(https://chaminade.instructure.com/courses/45020/assignments/464158)