

Course Syllabus

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Chaminade
University
OF HONOLULU

BI-302 – SCIENTIFIC WRITING II – BIOETHICS AND CONDUCT

Department of Biology, School of Natural Sciences & Mathematics
Spring Semester 2024

Credits: 1

Meeting times & location:

Section 1: Friday, 1:30 - 2:20 PM

Location: WSC 120

Professor Michael Dohm PhD

Office: WSC 108

Office phone: (808) 739-8543

Office Hours: Tues 9 -- 11 am and 1:30 - 3PM, or by appointment (via CANVAS Messaging best option)

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

A pdf version of the syllabus is available from the Syllabus Archive

Course Description

This class is a continuation of BI 300. Students will focus upon contemporary ethical issues in science and medicine including funding policies, ethics and conduct of research and medicine. Course will culminate in writing of an authoritative review paper on an issue of interest selected by the student.

Required text

No specific text book, reading and media will be assigned or expected to be searched for from publicly available resources.

Course website

CANVAS, <https://chaminade.instructure.com/courses/29403/>
(<https://chaminade.instructure.com/courses/29403/>)

Connect to Chaminade's WI-FI: <https://metaaccess.myweblogon.com:8443/>
(<https://metaaccess.myweblogon.com:8443/>)

Course Elements

This is a debate format class, where students are expected to discuss various ethical issues from different standpoints. Each student takes turns at leading an argument and mediating discussions. Through this practice students will:

- Understand the central, moral and philosophical and social problems in the biological sciences.
- Be able to formulate, present and defend a particular position on a moral or policy issue in the biological sciences and be able to communicate these ideas and conclusions effectively during discussion and debate.
- Develop the critical skills needed to evaluate and articulate moral and philosophical claims, arguments and goals frequently found in the biological sciences.
- Review the ethical issues and policies addressed by ethics committees.
- Be able to write clearly, eloquently and effectively about a particular moral dilemma.
- Learn to direct and manage future learning about ethics.

Assignments and grading

Assignment	Points	Grade%	Due date
Attendance	150	30%	Each week -semester long
Lead role*	100	20%	Each week - semester long
Papers (x3)	100	20%	During semester (timetable)
Final paper	150	30%	Due at Last class
	500		

(For each class at least one question must be submitted and if a class missed, the student must review ALL materials for that week and a two-page summary submitted to demonstrate active

participation in this experiential class).

Course Credit Hour Expectations

BI-302 is a one-credit hour seminar course and therefore requires a minimum of 45 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 BI302 are expected to spend about 15 hours in class, 10 hours on readings, and 20 hours working to produce written reports or other media presentations. 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.

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.

Learning outcomes

Students will be expected to demonstrate the following course Learning outcomes (CLO):

Student learning outcomes	PLO
1. Be able to weigh up both sides of an ethical/moral issue.	1 – 6
2. Understand why an ethical issue may have several stand-points and why differences in agreement may vary depending on context.	1 – 6
3. Examine the processes of the development of ethical policy.	1 – 7
4. Produce a written summary of an evidence assessment.	1 – 6
5. Complete a balanced argument final discussion paper on an bioethical issue	7

Biology Program Learning Outcomes (PLO)

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

1. Apply the scientific method in the design and testing of hypotheses
2. Transform and display, statistically evaluate, validate, and interpret scientific data and communicate the results of such analyses effectively both orally and in writing
3. Acquire, summarize, and synthesize information from published scientific literature, databases and bioinformatics software to extract and interpret biological data
4. Recognize the chemical and physical principles that underlie all life forms, and the biological organization at the molecular, cellular, tissue, organ, organism, and system levels that emerge from these principles
5. Define the components and processes of genetic and epigenetic information transmission, and their determinant effects on the adaptive and evolutionary processes that they drive
6. Evaluate the etiology of major human disease burden in terms of, pathophysiological mechanisms, epidemiology within populations and possible therapeutic approaches
7. Integrate an awareness of bioethical issues to positively influence the application of science to service, justice and peace in the solution of societal problems.

Marianist Values

Refer to your Canvas WELCOME learning module to see specifically how this class aligns with Marianist Values.

This class represents one component of your education at Chaminade University of Honolulu. An education in the Marianist Tradition is marked by five principles and you should take every opportunity possible to reflect upon the role of these characteristics in your education and development:

1. Education for formation in faith

2. Provide an integral, quality education
3. Educate in family spirit
4. Educate for service, justice and peace
5. Educate for adaptation and change

Native Hawaiian values

Education is an integral value in both Marianist and Native Hawaiian culture. Both recognize the transformative effect of a well-rounded, value-centered education on society, particularly in seeking justice for the marginalized, the forgotten, and the oppressed, always with an eye toward God (Ke Akua). This is reflected in the 'Olelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua ('Olelo No'eau 364) May I live by God
2. Provide an Integral, Quality Education (Na'auao) Lawe i ka ma'alea a kū'ono'ono ('Olelo No'eau 1957) Acquire skill and make it deep
3. Educate in Family Spirit ('Ohana) 'Ike aku, 'ike mai, kōkua aku kōkua mai; pela iho la ka nohana 'ohana ('Olelo No'eau 1200) Recognize others, be recognized, help others, be helped; such is a family relationship
4. Educate for Service, Justice and Peace (Aloha) Ka lama kū o ka no'eau ('Olelo No'eau 1430) Education is the standing torch of wisdom
5. Educate for Adaptation and Change (Aina) 'A'ohe pau ka 'ike i ka hālau ho'okahi ('Olelo No'eau 203) All knowledge is not taught in the same school

Course schedule

Link to [BI302 course schedule \(https://chaminade.instructure.com/courses/29403/pages/bi302-schedule\)](https://chaminade.instructure.com/courses/29403/pages/bi302-schedule)

Course and University Policy, Reminders, and Notices:

1. **Class begins each time exactly at the time scheduled (check your section number) – please be on time.** Chronic tardiness will be viewed as absence from class. If you miss or are tardy for class, please note that we will proceed without you and you will miss material; I cannot re-teach the class -- it is your responsibility to obtain missed lecture topics from your classmates who were in attendance.
2. **You are expected to attend class and to come prepared:** Read assigned and suggested readings before the material is to be presented in class; Do ask questions if you are unsure




of material: I highly recommend that you ask in class or via the course forum.

3. **If a student cannot attend a class in which an exam has been scheduled, the student must notify the instructor in person no later than the class prior to the scheduled exam.** Notification does not include phone calls or by email. Student athletes need to provide the instructor with a schedule of all travel during the semester, in addition to providing a letter from the Athletics Department prior to travel. In the event of an emergency or an illness, a Doctor's note will be expected and accommodations will be made on a case-by-case basis. Lacking an authorized excuse, you may still be allowed to take the exam at a later time, but you will not be able to earn full credit for the assignment, in fairness to those students who took the exam on time. Same day, but at later time: maximum points possible 95% one day late: maximum points possible 85% two to three days late: maximum points possible 70% More than three days, you will not be permitted to take the exam and a score of "0" will be assigned.
4. **Return of graded material will generally be within 5-7 class days after you take the graded assignment.**
5. **Use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes at Chaminade, unless specifically permitted by your instructor** (see policy item 6 below). Use of cellphones and music devices in laboratories is a safety issue. In addition, use of cellphones and music devices in any class is discourteous and may lead to suspicion of academic misconduct. Students who cannot comply with this rule will be asked to leave class and may be subject to laboratory safety violation fines. Please refer any questions to the Dean of Natural Sciences and Mathematics.
6. **I encourage you to bring and use your laptops and tablets in class.** However, use of these devices is conditional -- nonacademic activity during class hours is disruptive to the class and everyone around. Mute the sound and avoid "low-battery" emergencies -- electrical outlets are generally not available for student use during class hours.
7. **You may not record by camera or video or audio recording device any lecture or other class activity without prior permission from the instructor.**
8. Chaminade University recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct will NOT be tolerated at Chaminade. If you have been the victim of sexual misconduct, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, I must report the matter to the Title IX Coordinator. **Should you want to report to a confidential source you may contact the following:**
 - Counseling Center (phone 808-735-4845).
 - Any priest serving as a sacramental confessor or any ordained religious leader serving in the sacred confidence role (Fr. George Cerniglia, Rector; phone 808-739-8399 or Campus Ministry; 808-735-4774).

9. Chaminade University abides by all aspects of the [Family Educational Rights and Privacy Act \(http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html\)](http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html) (FERPA). FERPA is a Federal law that protects the privacy of student education records. Details of Chaminade's implementation of FERPA are provided in your [Chaminade University Student Handbook and Academic Planner \(https://chaminade.edu/wp-content/uploads/2019/08/NEW-STUDENT-HANDBOOK-19-20-Final-8.20.19.pdf\)](https://chaminade.edu/wp-content/uploads/2019/08/NEW-STUDENT-HANDBOOK-19-20-Final-8.20.19.pdf).
10. Chaminade University is committed to making reasonable accommodations to assist individuals with disabilities in reaching their academic potential ([Americans with Disabilities Act \(http://www.ada.gov/2010_regs.htm\)](http://www.ada.gov/2010_regs.htm)). **If you have a disability which may impact your performance, attendance, or grades in this course and require accommodations, you must first must obtain written documentation of the need for accommodations from the Chaminade University Counseling Center** (phone 808-735-4845) as soon as possible in order for the instructor to plan accordingly. Failure to provide written documentation will prevent your instructor from making the necessary accommodations. Please refer any questions to the Dean of Students and review the procedures at <https://chaminade.edu/student-life/counseling-services/> (<https://chaminade.edu/student-life/counseling-services/>).
11. **You are also expected to have read and to abide by the “Student Code of Conduct” (pp. 6 - 15) Chaminade University’s Student Handbook.** The handbook is available at <https://chaminade.edu/current-students/> (<https://chaminade.edu/current-students/>) (select Student Handbook (pdf)). Please note standards of academic honesty expected of you. If you are unsure what your responsibilities are, please ask and I will be happy to help you or get you contact information if I cannot help.

/MD

Course Summary:

Date	Details	Due
Fri Feb 10, 2023	 The principles of bioethics (https://chaminade.instructure.com/courses/29403/assignments/326701)	due by 11:59pm
Tue Feb 21, 2023	 Week06 - Questions and Discussion (https://chaminade.instructure.com/courses/29403/assignments/326695)	due by 12pm
Wed Mar 15, 2023	 Autonomy	due by 1:30pm