



Chaminade University OF HONOLULU

Course Syllabus

[Chaminade University Honolulu](#)

3140 Waialae Avenue - Honolulu, HI 96816

Course Number:	BI304
Course Title:	Clinical Nutrition
Department Name:	Natural Sciences and Mathematics
Term:	Spring 2023
Course Credits:	3
Class Meeting Days:	Online
Class Meeting Hours:	Online
Class Location:	Online
Canvas Course link:	BI-304-90/BI-304-91
Instructor Name:	Michael Weichhaus
Email:	michael.weichhaus@chaminade.edu
Phone:	808.440.4286
Office Location:	Sue Wesselkamper Science Center, 107
Office Hours:	Monday, Wednesday 12pm - 2pm Thursday 1pm - 3pm Please email for meetings through Zoom
Class Chat Room:	sign-up link or scan QR code



University Course Catalog Description

Study of nutrients and their respective functions, food sources, and physiological needs. Dietary guidance and nutritional requirements through the lifespan are explored. Role of nutrition in prevention of, and intervention in, chronic diseases.

Course Overview

The content of this course is organized around Principles of Nutrition, Clinical Nutrition and Alterations in Nutrition. Students will be able to determine the need of different nutrients for optimal health and how food safety, cultural, religious and ethnic influences and age affect nutrient requirements. Specific instructions for nurses will include the requirements for modified and enteral nutrition in the hospital setting. Lastly students will learn about diseases that require special nutritional requirements such as cardiovascular and hematological disorders, gastrointestinal disorders, renal disorders, diabetes and cancer/immunosuppressive disorders.

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 'Ōlelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua ('Ōlelo 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 ('Ōlelo 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 ('Ōlelo 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 ('Ōlelo 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 ('Ōlelo No'eau 203) All knowledge is not taught in the same school

Learning Outcomes

Program Learning Outcomes for the Biology Program.

Upon completion the program in Biology, a graduating student will demonstrate the following competencies:

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 and comprehend 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. Integrate an awareness of bioethical issues to positively influence the application of science to service, justice and peace in the solution of societal problems

Alignment of Course Learning Outcomes

Course Learning Outcomes	Program Learning Outcomes	Marianist Values
Relate the role of the six classes of nutrients on physiological homeostasis	1; 2; 3; 7	2; 4
Describe the nutritional guidelines for healthy eating and the composition of nutrients in food items.	2; 3; 7	2
Design healthy eating patterns appropriate to cultural, ethnic and religious influences on food choices specific to PI and Native Hawaiian clients	1; 2; 3; 4; 7	2; 4
Describe the requirements for modified diets, enteral nutrition and total parenteral nutrition.	1; 2; 3; 4; 7	2; 4
Apply modified nutritional requirements to the treatment of common chronic diseases including cardiovascular, gastrointestinal and renal disorders as well as diabetes, cancer and immunosuppressive disorders.	2; 3; 7	2

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 Hawai'i 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 *Mai'au*, be neat, prepared, careful in all we do; *Makawalu*, demonstrate foresight and planning; *`Ai*, sustain mind and body; *Pa`a Na`au*, learn deeply.

Course Prerequisites

BI 151/L, BI152/L, CH 201/L, CH 254/L, NUR 202, NUR 203

Required Learning Materials

1. Go to:
<https://lippincottdirect.lww.com/NursingEducation-ChaminadeUniversityofHonolulu-Spring2023>
2. Complete all required fields & click **Get My Products**
3. Scroll to BI 304 and select your **REQUIRED** product

CoursePoint for Dudek, Nutrition Essentials for Nursing Practice

*CoursePoint contains an eBook. A print book is **OPTIONAL** only*

1. **View Cart & Begin Checkout Process**

2. Complete billing information, **Proceed To Payment & Place Your Order**
3. You will be emailed a receipt containing your product **ACCESS CODE**
4. Go to <http://thepoint.lww.com> & create an account
5. “Launch” your program, click “+Join a Class” and enter the **Class Code: B1589755**

Technical Assistance for Canvas Users:

- Search for help on specific topics at help.instructure.com
- [Chat live with Canvas Support 24/7/365](#)
- Contact the Chaminade IT Helpdesk for technical issues: helpdesk@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 (<https://chaminade.edu/advising/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.

Assessment

ATI exam	10 percent
1 st Midterm	15 percent
2 nd Midterm	15 percent
3 rd Midterm	15 percent
Prep U quizzesExam	15 percent
Food Tracker Analysis	10 percent
Final exam	<u>20 percent</u>
	100 percent

Grading Scale

Letter grades are given in all courses except those conducted on a credit/no credit basis. Grades are calculated from the student’s daily work, class participation, quizzes, tests, term papers, reports and the final examination. They are interpreted as follows:

A 90-100%	Outstanding scholarship and an unusual degree of intellectual initiative
B 80-89%	Superior work done in a consistent and intellectual manner
C 70-79%	Average grade indicating a competent grasp of subject matter
D 60-69%	Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work.
F <60%	Failed to grasp the minimum subject matter; no credit given

Course Policies

Late Work Policy

There are no make-ups for exams. A physician's note is necessary to reschedule missed exams. ATI exams may be rescheduled at the instructor's discretion. PrepU quizzes can be completed up-to 7 days after the due date for full credit. The FoodTracker Report can be made-up if the student started tracking within 7 days before the due date. The FoodTracker Comparison report cannot be made up as it is due on the final day of the semester.

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 90 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 90 days after the end of the semester or term. This limit is unlikely to be extended.

Instructor and Student Communication

Questions for this course can be emailed to the instructor. Online, in-person and phone conferences can be arranged. Response time will take up to 3 days. The instructor is available during office hours and will be able to meet with students on a first come first serve basis. Please use the GroupMe chat for faster responses. Questions should be written in the group rather than to me individually.

Cell phones, tablets, and laptops

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.

Disability Access

If you need individual accommodations to meet course outcomes because of a documented disability, please speak with me to discuss your needs as soon as possible so that we can ensure your full participation in class and fair assessment of your work. Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from Kōkua 'Ike: Center for Student Learning by the end of week three of the class, in order for instructors to plan accordingly. If a student would like to determine if they meet the criteria for accommodations, they should contact the Kōkua 'Ike Coordinator at (808) 739-8305 for further information (ada@chaminade.edu).

Title IX Compliance

Chaminade University of Honolulu recognizes the inherent dignity of all individuals and

promotes respect for all people. Sexual misconduct, physical and/or psychological abuse will NOT be tolerated at CUH. If you have been the victim of sexual misconduct, physical and/or psychological abuse, 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, physical and/or psychological abuse, I must report the matter to the Title IX Coordinator. If you or someone you know has been harassed or assaulted, you can find the appropriate resources by visiting Campus Ministry, the Dean of Students Office, the Counseling Center, or the Office for Compliance and Personnel Services.

Attendance Policy

The following attendance policy is from the [Academic Catalog](#).

Students are expected to attend regularly all courses for which they are registered. Students 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 Tutor 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.

Academic Conduct Policy

From the [Academic Catalog](#):

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 Honesty: 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 any 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.
- 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: Intentionally or knowingly presenting the work of another as one’s own (i.e., without proper acknowledgment of the source) Examples include, but are not limited to:
 - Copying or borrowing liberally from someone else’s work without his/her knowledge or permission; or with his/her knowledge or permission and turning it in as your own work.
 - Copying off someone else’s exam or paper.
 - Allowing someone to turn in your work as his or her own. DO NOT provide your work to someone else for reference.
 - Not providing adequate references for cited work.
 - Copying and pasting large quotes or passages without properly citing them.

Credit Hour Policy

The unit of semester credit is defined as university-level credit that is awarded for the completion of coursework. One credit hour reflects the amount of work represented in the intended learning outcomes and verified by evidence of student achievement for those learning outcomes. Each credit hour earned at Chaminade University should result in 37.5 hours of engagement. For example, in a one credit hour traditional face to face course, students spend 50 minutes in class per week for 15 weeks, resulting in a minimum of 12.5 instructional hours for the semester. Students are expected to engage in reading and other assignments outside of class for at least 2 additional hours per week, which equals an additional 25 hours. These two sums result in total student engagement time of 37.5 hours for the course, the total engagement time expected for each one credit course at Chaminade.

The minimum 37.5 hours of engagement per credit hour can be satisfied in fully online, internship, or other specialized courses through several means, including (a) regular online instruction or interaction with the faculty member and fellow students and (b) academic engagement through extensive reading, research, online discussion, online quizzes or exams; instruction, collaborative group work, internships, laboratory work, practica, studio work, and preparation of papers, presentations, or other forms of assessment. This policy is in accordance with federal regulations and regional accrediting agencies.

Nutrition ATI Examination policies:

Grading:

1. The Nutrition ATI Examination will be worth 10% of your final grade in this course.
2. If you obtain a level 2 or above on the proctored Nutrition ATI exam, you will receive 100% for this portion of your grade.
3. If you score a level 1 on the proctored Nutrition ATI exam, you will receive 50 % for this portion of your grade.
4. If you score below a level 1 on the proctored Nutrition ATI exam, you will receive 0% for this portion of your grade.
5. There will be no retakes for this examination.

Schedule

Week	Lecture	Chapter	Comments
1	Syllabus of course, Course overview		
	Nutrition in Health	Chapter 1	
2	Guidelines for Healthy Eating	Chapter 2	PrepU due Chapter 1 Chapter 2
3	Carbohydrates	Chapter 3	FoodTracker due
	Proteins	Chapter 4	PrepU due Chapter 3 Chapter 4
4	Lipids	Chapter 5	
	Vitamins	Chapter 6	PrepU due Chapter 5 Chapter 6
5	Water and Minerals	Chapter 7	
	Energy Balance	Chapter 8	PrepU due Chapter 7 Chapter 8
6	Exam #1		
	Consumer Interests	Chapter 9	

	Food and Supplement Labeling	Chapter 10	PrepU due Chapter 9 Chapter 10
7	Cultural and Religious Influences in Food choices	Chapter 11	
	Healthy Eating for Healthy Babies	Chapter 12	PrepU due Chapter 11 Chapter 12
8	Nutrition for Infants, Children, and Adolescents	Chapter 13	
	Nutrition for Older Adults	Chapter 14	PrepU due Chapter 13 Chapter 14
9	Exam #2		
	Catch-up time		
10	Enteral and Parenteral Nutrition	Chapter 15	
	Identifying Nutrition Risk and Feeding Clients	Chapter 16	PrepU due Chapter 15 Chapter 16
11	Obesity and Eating Disorders	Chapter 17	
	Nutrition for clients with critical illness	Chapter 18	PrepU due Chapter 17 Chapter 18
12	Nutrition for Clients with Upper Gastrointestinal Disorders	Chapter 19	
	Nutrition for Clients with Disorders of the Lower GI Tract and Accessory Organs	Chapter 20	PrepU due Chapter 19 Chapter 20 Active Learning Sheets for practice exam A due
13	Nutrition for Clients with Diabetes Mellitus	Chapter 21	

	Nutrition for Clients with Cardiovascular Disorders	Chapter 22	PrepU due Chapter 21 Chapter 22
14	Nutrition for Clients with Kidney Disorders	Chapter 23	
	Nutrition for Clients with Cancer or HIV/AIDS	Chapter 24	PrepU due Chapter 21 Chapter 22 Active Learning Sheets for practice exam B due
15	ATI exam/Final exam		Food Tracker Analysis Report Food Tracker Comparison Report

Every effort has been made to ensure that the material in this syllabus is accurate and complete. However, occasionally changes must be made to the printed schedule. Thus, the instructor reserves the right to make any changes in the contents of this syllabus that he deems necessary or desirable. These changes, if any, will be announced as soon as the need for them becomes apparent.