

BI131L – Human Nutrition

Spring 2018

Syllabus

Instructor: Dr. Michael Weichhaus
Address: Wesselkamper, Room 107
Phone: 440-4286
Email Address: michael.weichhaus@chaminade.edu
Office Hours: Wed: 13:00-15:00 and Thu: 10:00-12:00
Class Hours: T 10:00AM - 12:50PM Henry Hall, Room L4

Texts:

There is no text for this course. Consequently, handouts will be provided to you for each laboratory experiment through canvas.

Aims of the course: This laboratory course accompanies the Biology 131 lecture course. However, it is a DISTINCT course from the BI 131 lecture for which a separate grade will be assigned.

This course is designed to introduce students to a number of laboratory techniques in nutrition and food science.

At the end of the course you should be able to:

1. Identify and describe the functions of the gastrointestinal tract of humans.
2. Identify and use specific biological equipment.
3. Conduct a complete dietary assessment.
4. Interpret food labels.
5. Appreciate food production techniques
6. Gain a first hand understanding of food safety procedures.
7. Develop an appreciation of working collaboratively in groups.
8. Learn the role of various enzymes in the body, and their relationship to the digestive system.

Attendance:

Attendance is MANDATORY for ALL laboratory experiments. Laboratory absences that are APPROVED by the instructor PRIOR to the lab are excused. A note from a doctor must be provided. Because of the nature of this course, it will be impossible to re-create several of the labs on an individual basis for make-ups. Therefore, it is EXTREMELY important that you try not to have any absences during this time. No one will pass this course with more than 2 unexcused absences. Per Chaminade policy, attendance will be taken, and the Registrar's Office notified of excessive absences.

Evaluation of Student Performance

1. Separate grades are given for lecture and laboratory. It is possible to receive different grades for lecture and laboratory.
2. There is no curve for exams or final scores. The scale used is given below.
3. The final examination is a two-hour comprehensive examination including topics from the beginning of the course.
4. Extra credit work is NOT available. Make-up labs will only be available at the discretion of the instructor.
5. Missed exams can only be made up for valid excuses (to be determined by the instructor). In cases of illness, a physician's note is necessary.
6. The lab grade will be determined in the following manner:

		Strict scale:	90% - 100% = A
Lab report	10 percent		80% - 90% = B
Lab book	10 percent		70% - 80% = C
Attendance	10 percent		50% - 70% = D
MyDiet Analysis Report	10 percent		Below 50% = F
Midterm Exam	30 percent		
Final Exam	<u>30 percent</u>		
	100 percent		

Class standing:

The instructor, prior to the withdrawal deadline, will notify students with grades of D or lower. Students receiving deficiency notices are required to arrange a conference with instructor.

Music Devices and Cellular Phones:

Use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes at Chaminade, unless specifically permitted by your instructor. 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. You will be asked to leave class and marked absent if you do not comply. This will negatively affect your grade. Please refer any questions to the Dean of Natural Sciences and Mathematics.

ADA Accommodations:

Pursuant to several federal and state laws, including the Americans with Disabilities Act of 1990, as amended by the ADA Amendments Act of 2008, and Section 504 of the Rehabilitation Act of 1973, all qualified students with disabilities are protected from discrimination on basis of disability and are eligible for reasonable accommodations or modifications in the academic environment to enable them to enjoy equal access to academic programs, services, or activities. If a student would like to determine if they meet the criteria for accommodations, they should contact the Counseling Center at 808-735-4845 for further information. 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 CUH Counseling Center (Dr. June Yasuhara, 735-4845) by the end of the third week of classes. Failure to provide written documentation will prevent your instructor from making necessary accommodations.

Policy on Communication:

The University provides a Chaminade email address for all students. Official Chaminade communications will be sent to the students' Chaminade email address and instructors will use only this email to communicate with students. It is the responsibility of the student to check their email frequently. Report email-related problems to the Helpdesk at 808-735-4855 or helpdesk@chaminade.edu.

Title IX Declaration:

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. Should you want to speak to a confidential source you may contact the following: Chaminade Counseling Center| 808 735-4845; Any priest serving as a sacramental confessor or any ordained religious leader serving in the sacred confidence role.

Academic Honesty:

Students are expected to have read and to abide by the "Student Rules of Conduct" which are available in your copy of Chaminade University's Student Handbook. Cheating in the form of plagiarism, collusion, deception and will not be tolerated and will negatively affect your grade.

LAB OUTLINE: *Note that the Dates, Experiments, and Reports are subject to change based upon confirmation of field trips and arrival of ordered supplies.*

Date	Experiment
Tuesday, January 16 th	Lab Rules/Safety/Requirements Lab Introduction
Tuesday, January 23 rd	Food Labels/My plate/My Diet Analysis
Tuesday, January 30 th	Microscopy: Histology of the gastrointestinal tract
Tuesday, February 6 th	Determination of carbohydrate content
Tuesday, February 13 th	Determination of and protein content Lab Report due in two weeks
Tuesday, February 20 st	Lactase Enzyme Experiment
Tuesday, February 27 th	Emulsion/Osmosis experiment
Tuesday, March 6 th	Field Trip: Conventional Farm (Aloun Farm)
Tuesday, March 13 th	Midterm Exam 10:00 am – 12:00 pm
Tuesday, March 20 th	Field Trip: Seed-Crop Plant (tentative)
	Spring Recess
Tuesday, April 3 th	Field Trip: Food distribution center (tentative)
Tuesday, April 10 th	Field Trip: Organic Farm (Green Row Farms)
Tuesday, April 17 th	Identifying Minerals by Flame Tests
Tuesday, April 24 st	Physical Assessment
Tuesday, May 1 nd	Final Exam: 10:00am – 12 pm