

Fall 2018 Syllabus

BI 151: Human Anatomy and Physiology



Monday, Wednesday, Friday 9:30 - 10:20 H223

Instructor: John Crocker

Office: Henry 01

Email: john.crocker@chaminade.edu

Office Hours: Friday 10:00 – 13:00 or by appt

Required Texts and Supplementary Materials:

Martini, Nath and Bartholomew. Fundamentals of Anatomy & Physiology.

www.masteringaandp.com

Computer with internet access

Supplemental Texts / Materials:

Rust, A Guide to Anatomy and Physiology

McMinn, Color Atlas of Human Anatomy

Coloring Atlas for A&P

Netter's Anatomy Flashcards or any anatomy and physiology app

Course Description:

This course is intended for first year students in the Chaminade School of Nursing. Human Anatomy and Physiology (BI 151) begins the study of the human body, its component systems, their gross anatomy and histology, along with their functions and interactions for nursing students. As nursing students the material studied in this course is directly relevant to your future classes, NCLEX, and to your professional goals.

In class we will support student learning through lecture, group discussions, integrated formative assessments, examination of case studies, student presentations.

Homework assignments will help you review, understand and expand on the material presented during lecture and lab. To effectively learn the material for this course requires approximately 3 hours out of class for every contact hour. This time can be spent on homework assignments, study groups, tutoring, meeting with me during office hours, etc.

Topics covered will include basic biochemistry, basic cellular biology, tissue types and organizations, organs and their integration into organ systems as well as a detailed overview of the following body systems: integumentary, skeletal, muscular, and nervous systems.

The course consists of three lecture hours and one three hour lab per week; the lab is intended to supplement the lecture and offer the opportunity to have hands on observation of the structures and their functions discussed in lecture.

Catalog Description:

BI 151-BI 152 Human Anatomy and Physiology (3/3) Structure and function of the human body, to include basic biochemistry, cells, tissues, and a detailed and comprehensive study of the integumentary, skeletal, muscular, circulatory, immune, and digestive systems, and metabolism. Organ systems will include the nervous, urinary, endocrine, respiratory, and reproductive systems. Required course for nursing majors. Nonnursing students (e.g. pre-health professions students) may take this course subject to availability of seats in a separate course section than nursing majors. Prerequisites: BI 151 for BI 152. Concurrent registration in BI 151L or 152L required. Some sections restricted to Nursing major, admission of non-nursing majors to other sections of these courses is by permission of instructor, and subject to demand.

Recommended preparation: High school and/or college biology and chemistry.

Expected Course Learning Outcomes:

1. Demonstrate fluency in the terminology relevant to anatomy and physiology
2. The ability to identify and demonstrate an understanding of major cell and tissue types of the human body
3. The ability to describe the gross anatomy and organization of major organ systems
4. An understanding of the structures of the human body relative to their functions.
5. Ability to apply knowledge of structure and function learned at one level or system to other levels or systems.
6. Ability to describe physiological processes of major human organ systems and the role of homeostasis in maintaining their integrity.
7. Develop basic laboratory and dissection, skills which can be utilized in further investigations.

Measure: written exams and quizzes, homework, case study reports

Grading Policy:

Section Tests (drop 1)	20%
Take home tests (study guides)	10%
Mini-quizzes	5%
Case Study	10%
Mid-Term Exam	25%
Final Exam	25%
Participation	5%

A= 90% and up 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 coursework.

F= less than 60% Failed to grasp the minimum subject matter; no credit given

-Please note that this point system is tentative and may change slightly.

Schedule is tentative and subject to change.

Week	Beginning	Assignments	Important this week
1	8/20	Read Ch. 01 Introduction and Ch. 02 Chemical Organization 1) Study: all tables and figures 2) Do related study guide questions	None
2	8/27	Read Ch. 03 Cellular Organization and Ch. 04 Tissues 1) Study: all tables and figures 2) Do related study guide questions	Add/Drop ends Tues
3	9/3 (Labor Day)	Read Ch. 04 Tissues and Ch. 05 Integument 1) Study: all tables and figures 2) Do related study guide questions	Quiz 1 (Ch. 1-3)
4	9/10	Read Ch. 05 Integument and Ch. 06 Skeletal Tissue and Structure 1) Study: all tables and figures 2) Do related study guide questions	9/14 deadline Withdraw w/out Record
5	9/17	Read Ch. 06 Skeletal Tissue and Structure and Ch. 07 Axial Skeleton 1) Study: all tables and figures 2) Do related study guide questions	Quiz 2 (Ch. 4-6)
6	9/24	Read Ch. 07 and 08 Axial and Appendicular Skeleton 1) Study: all tables and figures 2) Do related study guide questions	
7	10/1	Read Ch. 09 Articulations 1) Study: all tables and figures 2) Do related study guide questions	
8	10/8 (Discover's Day)	Read Ch. 10 Muscle Tissues System 1) Study all figures, exhibits, and tables in both chapters 2) Do related study guide questions	Midterm (Ch. 1-9)
9	10/15	Read Ch. 11 Muscular System 1) Study all figures, exhibits, and tables in both chapters 2) Do related study guide questions	
10	10/22	Read Ch. 12 Neural Tissue 1) Study: all tables and figures 2) Do related study guide questions	Quiz 3 (Ch. 9-11)
11	10/29	Read Ch. 13 Spinal Cord, Nerves, & Reflexes 1) Study: all tables and figures 2) Do related study guide questions	11/2 W deadline
12	11/5	Read Ch. 14 Brain and Cranial Nerves 1) Study: all tables and figures 2) Do related study guide questions	Quiz 4 (Ch. 12-13)
13	11/12 (Veteran's Day)	Read Ch. 15 Neural Integration I 1) Study: all tables and figures 2) Do related study guide questions	Nov 10 Veterans Day
14	11/19 (Thanksgiving)	Read Ch. 16 Neural Integration II 1) Study: all tables and figures 2) Do related study guide questions	Quiz 5 (Ch. 14-15) Thanksgiving 22-23
15	11/26	Finish Ch. 16 and Review 1) Complete Study Guide	Review Session
16	12/3		Final Exam (Ch. 9-16)

Additional Departmental and University Policies

1. *Electronic Devices*

Use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes, unless specifically permitted by your instructor. Use of cellphones and music devices in laboratories is a safety issue. 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.

2. *ADAA Statement*

2.1 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.

3. *Attendance*

3.1 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 or by leaving a message with the instructor's division office (Natural Science and Math 1 (808) 440-4204). 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.

3.2 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.

4. *Policy on Make-Up Tests*

Make-Up test will be granted only in case of excused absence.

5. *Policy on Communication*

5.1 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.

6. *Laboratory Safety Information*

The following guidelines are established to provide instructions in maintaining safety for students, staff, and faculty while using any of the science laboratories at Chaminade University. The Division of Natural Sciences and Mathematics (NSM), along with the University Environmental Safety Office are responsible for enforcing the regulations set forth in the current Student Handbook. Queries should be addressed to: Dean of Natural Sciences and Mathematics (808) 440-4204; Environmental Safety Officer (808) 739-4811

7. *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 sacred confidence role.

8. *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.

9. *The instructor may modify elements of this syllabus according to the operational needs of the class.*