

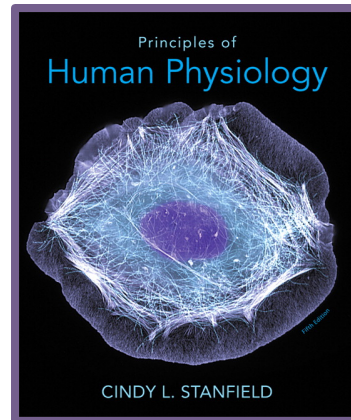
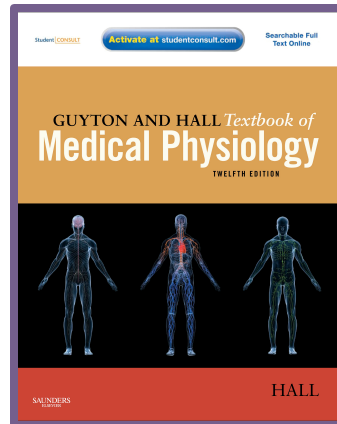


HUMAN PHYSIOLOGY

BIOL 398/1-41

Summer 2015-2016

Department of Biology



1. General Information

Credits: 3

Prerequisites: BIOL 225 and BIOL 266

Location: SP 110

Day: Mon & Wed

Time: 18:30-21:00

Professor: Dr. Sonish Azam

Office: SP 375.23

Tel: 514-848-2424 ex 3348

Email: sonish.azam@concordia.ca

(Please mention BIOL 398 in the subject)

Office hours: After the class **OR** by appointment

2. Course Description

The objective of this course is to provide students with an understanding of the functional organization and regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Discussions will include different organ systems such as cardiovascular, excretory, respiratory, gastrointestinal, nervous, endocrine and reproductive as well as various disorders associated with them. Case studies, as a focus on the clinical aspects of human physiology, will be included to enhance the integration of material presented in class. This course is lecture based only.

Topics to cover:

1. Introduction to Physiology
2. Cardiovascular System
3. Respiratory System
4. Urinary System
5. Gastrointestinal System
6. Nervous System
7. Immune System
8. Endocrinology and Reproductive System

3. Objectives

- a. To understand the detailed study of the physiological processes of the human body.
- b. To explain how the activities of organs are integrated for maximum efficiency.
- c. To demonstrate an understanding of the principles and mechanisms that explain homeostasis at the cellular, tissue, organ and organismal level.

4. Course Material

PowerPoint slides from the lectures, reading lists and questions for the various topics will be posted on course Moodle to improve your understanding of the material. For certain topics, multiple readings are provided to give different coverage of more complex topics.

Recommended:

1. Guyton and Hall Textbook of Medical Physiology (12th edition)- Elsevier
2. Principles of Human Physiology by Stanfield (5th edition)- Pearson

Additional reading will be posted on moodle website and announced in class
Internet address: My concordia portal - moodle website

5. Grading:

The majority of marks in this course will be based on the final examination, a midterm, class activities and quizzes. **Final grades** will be determined from the highest cumulative exam score determined from the following weightings;

Evaluation:

Midterm	25%
Assignments	10%
Activities	15%
Final exam	50%

Final exam will be held within the time slot scheduled by the University. Students with a valid reason for rescheduling the final exam must go through the examination office.

Exams will cover material presented in lectures and from the assigned readings. Questions will be both in the form of "multiple-choice" and "short answer" types. Bring your pencils, markers, pens and erasers. The use of electronic devices of any kind (calculators, electronic dictionaries, and especially cell phones) is not allowed.

Quizzes will be offered throughout the course. They are intended to allow students to evaluate their progress, show example exam questions, and provide a friendly incentive to learn the course material as it is covered and not at "the last minute".

Final exam is cumulative and will cover the entire course.

There are no make-up activities, midterm or quizzes. If you miss the midterm exam on account of a genuine reason and you have a medical note, then the final exam will count for more.

The following scheme will be used to translate the numbers to letter grades;

Grade	Percentage
A+	90-100 %
A	85-90%
A-	80-85%
B+	77-80%
B	73-77%
B-	70-73%
C+	67-70%
C	63-67%
C-	60-63%
D+	57-60%
D	53-57%
D-	50-53%
F	40-50%
R	0-40%

6. Rights and Responsibilities:

Plagiarism: The most common offense under the Academic Code of Conduct is plagiarism, which the Code defines as "the presentation of the work of another person as one's own or without proper acknowledgement."

This could be material copied word for word from books, journals, Internet sites,

professor's course notes, etc. It could be material that is paraphrased but closely resembles the original source. It could be the work of a fellow student, for example, an answer on a quiz, data for a lab report, a paper or assignment completed by another student. It might be a paper purchased through one of the many available sources. Plagiarism does not refer to words alone it can also refer to copying images, graphs, tables, and ideas. "Presentation" is not limited to written work. It also includes oral presentations, computer assignments and artistic works. Finally, if you translate the work of another person into French or English and do not cite the source, this is also plagiarism.

In Simple Words:

Do not copy, paraphrase or translate anything from anywhere without quoting where you obtained it from!

(Source: The Academic Integrity Website:

<http://provost.concordia.ca/academicintegrity/plagiarism/>)

Academic Code of Conduct:

I. Preamble

Introduction

The integrity of University academic life and of the degrees, diplomas and certificates the University confers is dependent upon the honesty and soundness of the instructor-student learning relationship and, in particular, that of the evaluation process. As such, all students are expected to be honest in all of their academic endeavors and relationships with the University.

List of Services for the students

- Name of the Department's Academic Advisor
- Concordia Counseling and Development offers career services, psychological services, student learning services, etc. <http://cdev.concordia.ca/>
- The Concordia Library Citation and Style Guides:
<http://library.concordia.ca/help/howto/citations.html>
- Advocacy and Support Services
<http://supportservices.concordia.ca/>
- Student Transition Centre
<http://stc.concordia.ca/>
- New Student Program
<http://newstudent.concordia.ca/>
- Access Centre for Students with Disabilities
<http://supportservices.concordia.ca/disabilities/>
- Student Success Centre
<http://studentsuccess.concordia.ca/>
- The Academic Integrity Website
<http://provost.concordia.ca/academicintegrity/>
- Financial Aid & Awards
<http://web2.concordia.ca/financialaid/>
- Health Services
<http://www-health.concordia.ca/>