

BIOL1789 - Human Physiology I

Dr. Sarah Rigley MacDonald

Course Information

Location

This is a self-paced online course where you will independently complete online activities, as provided in this course.

Instructor Contact Information

E-mail:	Sarah.RigleyMacDonald@UNB.ca			
Office hours:	The instructor is available to meet students by appointment only. Please e-mail the instructor in advance to book a meeting slot and receive your link to the virtual meeting session.			
Typical e-mail response time:	2-4 business days			
Typical time to receive feedback and grades:	Module Quizzes - Automatic grading Lab Simulations - Automatic grading Exam 1 - Up to 2 weeks Exam 2 - Up to 2 weeks Exam 3 - Up to 5 business days			

Disclaimer

Please note that required activities in this course utilize images and/or illustrations of naked bodies as well as images of cadavers (the bodies of deceased individuals). Students will be expected to use these graphics to learn the physiology of each organ system.

Course Objectives

By the end of this course, you will be able to:

- Describe the function of each organ system.
- Define the concept of homeostasis and describe the mechanisms of homeostasis found in the human body.
- Describe the relationship between the structure of a tissue and its function.
- Describe the interdependence of the organ systems as they relate to physiology and pathophysiology.

Course Resources

Required Textbook and Software

The following textbook is used in this course:

• Anatomy and Physiology: An Integrative Approach. O'Loughlin, Bridle and McKinley, 4th Ed Published by McGraw Hill

You can purchase the *required package*, which contains the textbook eBook and access to the McGraw-Hill Connect website by visiting the following webpage:

• https://connect.mheducation.com/class/1789-2022

If you would like to purchase a hard copy, you can obtain a loose-leaf copy from the Connect website for an additional fee or a hard copy version of the textbook can be purchased from the UNB Bookstore.

Prerequisites and Technical Skills

All students taking this course must have already taken BIOL1711 or BIOL1719.

There are no specific technical skills required for this course.

Technology

A computer with a working webcam and microphone which meets the requirement listed at the following website is required:

• https://mhedu.force.com/CXG/s/article/McGraw-Hill-System-Requirements-HigherEd

Assessments

Assessments	Description	Weight (out of 100%)
Module Quizzes	There will be 8 Module Quizzes - one per module.	20%
	20 questions (multiple-choice)	(8 x 2.5%)
	1 hour to complete	
	Open book	
	Completed using McGraw-Hill Connect	
	The quizzes are based on information from lectures, not labs	
Lab Simulations	• There will be 8 Lab Simulations (some with multiple parts) - one per	20%
	module.	(8 x 2.5%)
	No time limit	
	Open book	
	Unlimited attempts	
	Completed using McGraw-Hill Connect	
Exam 1	Based on lecture and lab materials from Modules 1 and 2	20%
	• 52 questions (50 multiple choice and 2 short answer)	
	90 minutes to complete	
	Closed book exam	
	Complete in D2L and supervised through Respondus using video	
Exam 2	Based on lecture and lab materials from Modules 3, 4, and 5	20%
	 52 questions (50 multiple choice and 2 short answer) 	
	90 minutes to complete	
	Closed book exam	
	Complete in D2L and supervised through Respondus using video	
Exam 3	Based on lecture and lab materials from Modules 6, 7, and 8	20%
	 52 questions (50 multiple choice and 2 short answer) 	
	90 minutes to complete	
	Closed book exam	
	Complete in D2L and supervised through Respondus using video	

Exam Invigilation

You are responsible for scheduling your exam; refer to the **Course Exam Guide** section in the Start Here module of this course for instructions. The Course Exam Guide contains important information that you need to know about scheduling your exam(s), the Exam Request Form, Respondus installation, and the Environment Check (if applicable).

Grading

Final grades will be reported as follows.

Letter	Percentage	Grade	Criteria	
Grade	Grade Range	Points		
A+	90.0-100	4.3	Excellent performance	
А	85.0-89.9	4.0	Excellent performance	
A-	80.0-84.9	3.7	Excellent performance	
B+	75.0-79.9	3.3	Good performance	
В	72.0-74.9	3.0	Good performance	
B-	69.0-71.9	2.7	Good performance	
C+	65.0-68.9	2.3	Satisfactory performance	
С	60.0-64.9	2.0	Satisfactory performance	
D	50.0-59.9	1.0	Less-Than-Satisfactory performance	
F	< 49.9	0.0	Failure	
WF		0.0	Failure	

Study Plan

Module # (Suggested time to complete)	Module Topic Title	Readings and Resources	What's Due?			
Module 1	Introduction to Physiology	Chapters 1 & 2	Module 1 Quiz &			
(2 weeks)			Module 1 Lab Simulation			
Module 2	Cellular Structure and Chemistry	Chapters 3 & 4	Module 2 Quiz &			
(2 week)			Module 2 Lab Simulation			
Exam 1 (covers Modules 1 and 2 only)						
90 minutes, closed book, completed on D2L using Respondus						
Module 3	Tissues, Muscle, and Blood	Chapters 5, 10, & 18	Module 3 Quiz &			
(1 weeks)			Module 3 Lab Simulation			
Module 4	Circulatory System (Heart & Vessels)	Chapters 19 & 20	Module 4 Quiz &			
(1 week)			Module 4 Lab Simulation			
Module 5	Respiratory, Lymphatic, and Immune	Chapters 21, 22, & 23	Module 5 Quiz &			
(2 weeks)	Systems	-	Module 5 Lab Simulation			
Exam 2 (covers Modules 3, 4, and 5 only)						
	90 minutes, closed book, compl	eted on D2L using Respond	us			
Module 6	Nervous System	Chapters 12, 13, 14, 15,	Module 6 Quiz &			
(2 weeks)		& 16	Module 6 Lab Simulation			
Module 7	Endocrine and Reproductive Systems	Chapters 17 & 28	Module 7 Quiz &			
(2 weeks)			Module 7 Lab Simulation			
Module 8	Urinary and Digestive Systems	Chapters 24, 25, & 26	Module 8 Quiz &			
(2 weeks)			Module 8 Lab Simulation			
Exam 3 (covers Modules 6, 7, and 8 only)						
90 minutes, closed book, completed on D2L using Respondus						

Academic Integrity

For information on Academic Integrity, please review the following webpages:

- https://www.unb.ca/academics/calendar/undergraduate/current/regulations/universitywideac ademicregulations/viii-academicoffences/index.html
- https://www.unb.ca/gradstudies/current/resources/regulations-andguidelines/regulations/academic-offenses.html

It is the student's responsibility to know the regulations.

Unethical Practices

The following behaviours are considered unethical:

- Telling an Instructor that you 'need' a certain grade.
- Asking for extra assignment(s) for the purpose of raising your grade.
- Asking your grade to be raised because it is very close to the next higher grade.
- Asking a grade to be raised because you did very well on one part of the course or grading scheme.
- Asking for a higher grade because you did not like the grading scheme.
- Asking to be allowed to turn in an assignment late even a few minutes late because of computer or printer problems, or any other reason.
- Asking to be treated better than other students by making an exception to the rules.
- Asking for any other unfair advantage in grading.

Student Support

UNB provides many resources to help and inform students. Please visit the Contact Us section of this course for more information.