



COURSE OUTLINE: BIOL1050 - ANTMY & PHYS

Prepared: Leslie Dafoe

Approved: Bob Chapman, Chair, Health

Course Code: Title	BIOL1050: HUMAN ANATOMY AND PHYSIOLOGY
Program Number: Name	
Department:	BSCN - NURSING
Academic Year:	2022-2023
Course Description:	This course describes human anatomy and physiology at the cellular, tissue, organ, and system levels of organization. Aspects of this course will concentrate on the clinical application of anatomy and physiology. The course is delivered each week as 3 hours of lecture, 3 hours of laboratory activity and is worth 4 credits.
Total Credits:	4
Hours/Week:	6
Total Hours:	72
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
This course is a pre-requisite for:	BIOL1150
General Education Themes:	Science and Technology
Course Evaluation:	Passing Grade: 65%, A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Books and Required Resources:	1 white, knee-length lab coat 1 dissection kit 1 VR face shield 1 box of nitrile gloves Laboratory Manual for Anatomy & Physiology (LL) by Allen Publisher: John Wiley & Sons, Incorporated Edition: 7th ISBN: 9781119662556 Principles of Anatomy and Physiology by Tortora Publisher: John Wiley & Sons Canada, Limited EMAIL PO's ISBN: 9781119662686 Prin of Anatomy & Physiology (LL) by Tortora Publisher: John Wiley & Sons, Incorporated Edition: 16th ISBN: 9781119662792 Prin of Anatomy & Physiology, LLF 16e (w/WileyPlusNext Gen Card Access & Lab Manual LLF 7e (PKG) by Tortora Publisher: John Wiley & Sons Canada, Limited EMAIL PO's ISBN: 9781119829799



Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
<ol style="list-style-type: none">1. Utilize the terminology of anatomy and physiology2. Recognize the interrelationships of cells, tissues, organs and bodysystems.3. Differentiate the basic chemical concepts and principles as they are related to the anatomy and physiology of the human body.4. Describe the location, structure and function of the organs of the major organ/body systems of the human body.5. Recognize the major tissue types and location.6. Recognize the interrelationships of body organ systems.7. Recognize the connection between homeostasis of the body and health.8. Demonstrate recognition of the importance of knowing the anatomy and physiology of the healthy adult human body.	<ol style="list-style-type: none">1. Be able to label, using the correct anatomical terminology, the parts of the human body, and describe their functions.2. Be able to explain how all cells, tissues, organs and body systems contribute to homeostasis.3. Be able to explain how chemistry is essential to the functioning of cells, tissues, organs, and how chemical changes can either support or challenge homeostasis.4. Be able to discuss the importance of each of the body/organ systems in maintenance of homeostasis by detailing their structure and function(s).5. Be able to describe how particular tissue types work and how their specialized structures contribute to their functions for all of the major organ/body systems.6. Be able to describe how various organ systems contribute to homeostasis of the entire body as well as towards other organ systems. Detail the interdependence of organ systems with one another and explain how this helps to maintain homeostasis.7. Be able to explain how maintenance of homeostasis is essential to maintaining health, and how/why losses of homeostasis can alter the health status of a person.8. Be able to explain why a thorough understanding of a healthy adult human body is essential to being able to evaluate the health status of a client.

Evaluation Process and Grading System:

Evaluation Type	Evaluation Weight
Final Exam	40%
Final lab exam	15%
Lab quizzes	15%
Lab technique	5%
Midterm Exam	25%

Date:

August 12, 2022

Addendum:

Please refer to the course outline addendum on the Learning Management System for further information.

