



## COURSE OUTLINE: BIOL1150 - ANTMY & PHYS II

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Approved: Bob Chapman, Chair, Health

<b>Course Code: Title</b>	BIOL1150: HUMAN ANATOMY AND PHYSIOLOGY II
<b>Program Number: Name</b>	3401: HONOURS BSCN
<b>Department:</b>	BSCN - NURSING
<b>Academic Year:</b>	2023-2024
<b>Course Description:</b>	This course continues the description of the anatomy and physiology of a healthy adult human body that was begun in Biol1050. The cellular, tissue and organ levels will be studied as they apply to the following organ systems: nervous, endocrine, cardiovascular, respiratory, lymphatic, immune, digestive, urinary and reproductive. In addition, an examination of fluid, acid/base and electrolyte balance will be undertaken. Aspects of clinical relevance will be included for several systems. The course includes, weekly, three hours of theory in lecture format and three hours of lab activity.
<b>Total Credits:</b>	4
<b>Hours/Week:</b>	6
<b>Total Hours:</b>	72
<b>Prerequisites:</b>	BIOL1050
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>This course is a pre-requisite for:</b>	BSCN2000, BSCN2001, BSCN2010, PATH2050
<b>General Education Themes:</b>	Science and Technology
<b>Course Evaluation:</b>	Passing Grade: 65%,  A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
<b>Books and Required Resources:</b>	Laboratory Manual for Anatomy & Physiology (LL) by Allen Publisher: John Wiley & Sons, Incorporated Edition: 7th ISBN: 9781119662556  Principles of Anatomy & Physiology (LL) by Tortora Publisher: John Wiley & Sons, Incorporated Edition: 16th ISBN: 9781119662792  Principles 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
<b>Course Outcomes and</b>	



Learning Objectives:	Course Outcome 1	Learning Objectives for Course Outcome 1
	<p>1.Utilize the terminology of anatomy and physiology.</p> <p>2.Recognize the interrelationships between cells, tissues and organs in maintaining homeostasis in the human body.</p> <p>3. Describe the location, structure and function of the organs of the following major organ/body systems of the human body: autonomic nervous, special senses, endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive.</p> <p>4. Understand how the human body maintains fluid, electrolyte and acid/base balance.</p> <p>5. Recognize the interrelationships between the major organ systems studied, and how they help to maintain homeostasis in the human body.</p> <p>6. Demonstrate an understanding and appreciation for how homeostasis relates to good health.</p>	<p>1. Be able to label, using the correct anatomical terminology, the parts of the human body, and describe their functions, for the following major organ systems: autonomic nervous, special senses, endocrine, cardiovascular, respiratory, lymphatic, immune, digestive, urinary and reproductive.</p> <p>2. Be able to explain how the above organ/body systems contribute to homeostasis.</p> <p>3. Be able to describe how particular tissues contribute to the structure and function of the major organ systems named in (1) above.</p> <p>4. Be able to describe how the major organ systems named in (1) above contribute to homeostasis the the entire body as well as towards other organ systems. Detail the interdependence of these organ systems with one another and explain how this contributes to the maintenance of homeostasis.</p> <p>5. 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.</p> <p>6. 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</p>

**Evaluation Process and Grading System:**

Evaluation Type	Evaluation Weight
Final Exam	30%
Lab Final Exam	15%
Lab Quizzes	15%
Lab Technique	5%
Theory Test 1	15%
Theory Test 2	20%

**Date:** July 19, 2023

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