COURSE OUTLINE: BIOL1150 - ANTMY & PHYS II

Prepared: Leslie Dafoe and Ashley Bernardo
Approved: Bob Chapman, Dean, Health

Course Code: Title	BIOL1150: HUMAN ANATOMY AND PHYSIOLOGY II
Program Number: Name	3401: HONOURS BSCN
Department:	BSCN - NURSING
Academic Year:	2024-2025
Course Description:	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.
Total Credits:	4
Hours/Week:	6
Total Hours:	72
Prerequisites:	BIOL1050
Corequisites:	There are no co-requisites for this course.
This course is a pre-requisite for:	BSCN2000, BSCN2001, BSCN2010, BSCN2011, PATH2050
Essential Employability Skills (EES) addressed in this course:	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 5 Use a variety of thinking skills to anticipate and solve problems. EES 6 Locate, select, organize, and document information using appropriate technology and information systems. EES 7 Analyze, evaluate, and apply relevant information from a variety of sources. EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others. EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals. EES 10 Manage the use of time and other resources to complete projects. EES 11 Take responsibility for ones own actions, decisions, and consequences.

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 box of nitrile gloves, 1 pair of safety glasses Principles of Anatomy & Physiology, LLF 16e (w/WileyPlusNext Gen Card Access) by Tortora Publisher: John Wiley & Sons Canada Edition: 16th ISBN: 9781119829799 Anatomy and Physiology eText by OpenStax Edition: 2nd ISBN: 9781711494050 Note: this is an alternate free downloadable text

Course Outcomes and Learning Objectives:

Course Outcome 1	**Learning Objectives for Course Outcome 1**
1.Utilize the terminology of anatomy and physiology.	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.
Course Outcome 2	**Learning Objectives for Course Outcome 2**
2. Recognize the interrelationships between cells, tissues and organs in maintaining homoeostasis in the human body.	Be able to explain how the above organ/body systems contribute to homeostasis.
Course Outcome 3	**Learning Objectives for Course Outcome 3**
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.	Be able to describe how particular tissues contribute to the structure and function of the major organ systems named in (1) above.
Course Outcome 4	**Learning Objectives for Course Outcome 4**
4. Understand how the human body maintains fluid, electrolyte and acid/base balance.	Be able to describe how the major organ systems named in (1) above contribute to homeostasis 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.

Course Outcome 5	Learning Objectives for Course Outcome 5
5. Recognize the interrelationships between the major organ systems studied, and how they help to maintain homeostasis in the human body.	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.
Course Outcome 6	**Learning Objectives for Course Outcome 6**
6. Demonstrate an understanding and appreciation for how homeostasis relates to good health.	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 Lab Test	15%
Final Theory Exam	30%
Lab Participation and Technique	5%
Lab Quizzes	15%
Presentation	5%
Theory Test 1	15%
Theory Test 2	15%

Date: November 26, 2024

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