



COURSE OUTLINE

BIOL2105

Prepared: Leslie Dafoe Approved: Bob Chapman

Course Code: Title	BIOL2105: HUMAN ANATOMY AND PHYSIOLOGY												
Program Number: Name	3400: COLLAB BSCN												
Department:	BSCN - NURSING												
Semester/Term:	17F												
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. Credit cannot be retained for both BIOL2105 and any of BIOL1700, 2107, 2701, PHED1506, 1507, 2106. (class 3, lab 3) cr 6												
Total Credits:	6												
Hours/Week:	6												
Total Hours:	144												
This course is a pre-requisite for:	BIO132, BIOL2036, BSCN2006, BSCN2084, CHMI2220, NURS2107, NURS2184, NURS2816												
Course Evaluation:	Passing Grade: 60%, C												
Evaluation Process and Grading System:	<table border="1"> <thead> <tr> <th>Evaluation Type</th> <th>Evaluation Weight</th> </tr> </thead> <tbody> <tr> <td>Final Theory Exam</td> <td>25%</td> </tr> <tr> <td>Laboratory Exams X 2</td> <td>20%</td> </tr> <tr> <td>Laboratory Quizzes X 20</td> <td>10%</td> </tr> <tr> <td>Laboratory Technique</td> <td>5%</td> </tr> <tr> <td>Lecture Tests X 4</td> <td>40%</td> </tr> </tbody> </table>	Evaluation Type	Evaluation Weight	Final Theory Exam	25%	Laboratory Exams X 2	20%	Laboratory Quizzes X 20	10%	Laboratory Technique	5%	Lecture Tests X 4	40%
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Books and Required Resources:	<p>Principles of Anatomy & Physiology by Gerard J. Tortora and Bryan Derrickson Publisher: Wiley Edition: 15 ISBN: 978-1-119-32065-4 Required text</p> <p>Laboratory Manual for Anatomy & Physiology by Connie Allen and Valerie Harper Publisher: Wiley Edition: 6</p>												



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ISBN: 978-1-119-32039-5
Required text

A Photographic Atlas for the Anatomy and Physiology Laboratory by De Graaff, Kent M. and John L. Crawley
Publisher: Morton Publishing Edition: 8
ISBN: 978-0-895828750

Read Anatomy 1.0 (DVD software package) by Nielsen, M. and S. Miller
Publisher: Wiley Edition: 1
ISBN: 978-0-470-11483-4

Additional laboratory materials
Dissection kit (1), Clean, white, knee-length lab coat (1), Lab Safety Glasses (1 pr)

Course Outcomes and Learning Objectives:

Course Outcome 1.

1. Utilize the terminology of anatomy and physiology
2. Recognize the interrelationships of cells, tissues, organs and body systems.
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.

Learning Objectives 1.

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



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- 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.

Date:

Wednesday, August 30, 2017

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