SOUTHEAST COMMUNITY COLLEGE
DIVISION OF ARTS AND SCIENCES
Sciences
Revision Date: 07-01-19
Syllabus Statements

I. CATALOG DESCRIPTION

Course Number:	BIOS2260
Course Title:	Human Anatomy & Physiology II
Prerequisite(s):	BIOS 2250 - Human Anatomy & Physiology I
Catalog Description:	Introduction to the form and function of the following human body systems: continuation of the special senses, endocrine system, blood and cardiovascular system, lymphatic system, immune system, respiratory system, digestive system, metabolism, urinary system, fluid electrolyte and pH balance, and reproductive systems.
Credit Hours:	4.0
Class Hours:	45.0
Lab Hours:	30.0
Contact Hours:	75.0

II. COURSE OBJECTIVES: *Course will:*

A. Briefly review the nervous system and continue to investigate the anatomy and physiology of the special senses.
B. Investigate the anatomy and physiology of the endocrine system.
C. Examine the anatomy and physiology of the blood and cardiovascular system.
D. Explore the anatomy and physiology of the lymphatic system and immunity.
E. Discuss the anatomy and physiology of the respiratory system.
F. Investigate the anatomy and physiology of the digestive system and metabolism.
G. Explore the anatomy and physiology of the urinary system, fluid electrolytes and pH balance.
H. Investigate the anatomy and physiology of the reproductive system.
I. Provide hands-on laboratory learning opportunities that reinforce lecture content.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

A. Student Learning Outcomes: *Student will be able to:*

1. Identify nervous system anatomy by standard names.
2. Understand and explain physiology of the nervous system.
3. Identify endocrine system anatomy by standard names.
4. Discuss and be able to explain physiology of the endocrine system.
5. Identify cardiovascular system anatomy and blood components by standard names.
6. Explain physiology of the cardiovascular system and blood components.
7. Identify lymphatic system anatomy and immunity components by standard names.
8. Discuss and be able to explain physiology of the lymphatic system and relate it to the immunity components.
9. Identify respiratory system anatomy by standard names.
10. Understand physiology of the respiratory system.
11. Identify digestive system anatomy by standard names.
12. Summarize physiology of the digestive system.

13. Identify urinary system anatomy by standard names.
14. Understand and be able to explain the physiology of the urinary system including electrolyte and pH balance.
15. Identify reproductive system anatomy by standard names.
16. Explain the physiology of the reproductive system.

B. General Education Learning Outcomes
1. GELO #5: Analytical, Quantitative, and Scientific Reasoning
Outcome: Apply mathematical and scientific methods to solve problems from an array of contexts and everyday situations.
Outcome: Understand and create logical arguments supported by quantitative and scientific evidence and communicate those arguments in a variety of formats.
Outcome: Manipulate formulas, data sets, graphs, tables, etc. in a way to produce a meaningful outcome.

IV. CONTENT / TOPICAL OUTLINE *(course outline may provide more detailed information)*

A. Nervous system and special senses
B. Endocrine system
C. Cardiovascular system and blood components
D. Lymphatic System and immunity
E. Respiratory System
F. Digestive system
G. Urinary System including water and electrolyte balance
H. Reproductive System

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):
1. Betts, et al., Anatomy and Physiology, 1st ed., OpenStax Publishing, 2016, ISBN: 978-1-938168-13-0.
2. Amerman, Exploring Anatomy & Physiology in the Laboratory., 2nd ed., Morton Publishing, 2018, ISBN: 978-1-61731-780-4

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of evaluation typically include a combination of the following:
1. Lecture
2. Laboratory activities
3. Discussion
4. Supplemental learning objects, such as: animations/videos, demonstrations, companion Internet site access, and in-class activities.

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of the following:
1. Tests and exams
2. Quizzes
3. Projects
4. Writing assignments
5. Presentations
6. Outside research
7. Portfolios

8. Online activities

B. SCC GRADING SCALE

A+	95-100	C+	75-79	F	59 or less
A	90-94	C	70-74		
B+	85-89	D+	65-69		
B	80-84	D	60-64		