

# COURSE OUTCOME MATRIX

## COURSE SYLLABUS

### PART 2 of 3

Course Number and Title	BS 125 Anatomy and Physiology II
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Credit Hours	4
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Course Description	A Laboratory Course: 3 hours lecture, 2 hours laboratory work each week. A continuation of BS 124, Human Anatomy and Physiology I, that examines seven major systems and includes genetics and human growth and development. The structure and function of the endocrine, circulatory, lymphatic, digestive, respiratory, urinary, and reproductive systems are included. The course is designed to emphasize the complementary nature of structure and function, homeostasis and homeostatic mechanisms, the interaction of humans and their environment, metabolic processes, responses to stress, and pathological disorders to bring about a better understanding of the structure and function of the human body as relevant to health care.
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Prerequisite(s) and/or Corequisite(s)	Prerequisites: BS 124
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**Required Textbooks/References/Course Materials:**

Hole's Human Anatomy and Physiology (Looseleaf)	16th	Shier/Butler/Lewis	McGraw-Hill Publishing Company	1264262884
Hole's Human Anatomy and Physiology Lab. Manual, Fetal Pig Version	16th	Shier/Butler/Lewis	McGraw-Hill	1264262868
Bundle Package: Hole's Human Anatomy and Physiology (Looseleaf), Connect Access Card and Lab Manual	16th	Welsh/Prentice-Craver/Shier/Butler/Lewis	McGraw-Hill Publishing Company	1265536473
Hole's Human Anatomy and Physiology - Connect Access	16th	Shier, David N. / Butler, Jackie L. / Lewis, Ricki	McGraw-Hill Publishing Company	1264262833

General Education Outcomes	
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

Program Outcomes	
1	Students demonstrate a broad knowledge of science.
2	Students demonstrate how science processes work.
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	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Interpret the use of appropriate terminology to effectively communicate information relating to anatomy and physiology.	C-Understanding (2)	1	1	0	0	0	0	0
2	Distinguish the anatomical structures and physiological functions of the following body systems: endocrine, cardiac, lymphatic, digestive, respiratory, urinary and reproductive.	C-Understanding (2)	1	1	0	0	2	0	1
3	Classify the components of blood and their functions.	C-Understanding (2)	1	0	0	0	0	0	0
4	Identify how various factors affect water and electrolyte balance.	C-Remembering (1)	1	0	0	0	1	0	0
5	Discuss the major events of prenatal and postnatal development.	C-Remembering (1)	1	1	0	0	0	0	0
6	Predict and explain the relationship of genes to human health.	C-Understanding (2)	1	0	0	0	0	0	1
7	Explain the relationship of the body systems to each other and tissue types.	C-Understanding (2)	1	0	0	0	0	0	0
8	Demonstrate laboratory procedures used to examine anatomical structures and evaluate physiological functions of the human body.	P-Manipulate (2)	1, 2	0	0	0	0	0	0
9									
10									

Bloom's Domain Legend

C = Cognitive  
A = Affective  
P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable  
1 = Introduced and/or Minimally Addressed and Not Measurable  
0 = Not included

Approved: October 14, 2021  
Reviewed: November 5, 2021