COURSE OUTCOME MATRIX
COURSE SYLLABUS
PART 2 of 3

Course Number and Title	BS 102 General Biology II

Credit Hours	4

Course Description	A Laboratory Course: 3 hours lecture and 2 hours laboratory work each week. The highlights of Darwin's theory of natural selection and other aspects of evolutionary theory will be explored. This course will introduce and explore the basic principles of ecology. An overview and comparison of vertebrate organ systems will be presented. Aspects of plant physiology will be explored. The course will also survey the taxonomy and phylogeny of the plant, animal, and other kingdoms.

Prerequisite(s) and/or Corequisite(s)	None

Required Textbooks/References/Course Materials:

MindTap: Biology: The Dynamic Science (looseleaf and MindTap 2 terms)	5th	Russell/Hertz/McMillan/Benington	Cengage Learning	9780357521311

	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.
3	
4	
5	
6	
7	
8	
9	
10	

	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	Identify the principles of taxonomy and phylogeny.	C-Remembering (1)	1	0	0	0	0	0	0
2	Distinguish the anatomy and physiology of vertebrate organ systems and compare and contrast vertebrates and invertebrates.	C-Understanding (2)	1	0	0	0	0	0	0
3	Recognize the form and function of prokaryotes and viral particles.	C-Remembering (1)	1	0	0	0	0	0	0
4	Distinguish plant anatomy and physiology and analyze the structure and function and behavior of plants.	C-Understanding (2)	1	0	0	0	0	0	0
5	Describe the principles of ecology.	C-Remembering (1)	1	1	0	0	0	0	0
6	Demonstrate an ability to utilize and interpret statistics and graphs.	C-Applying (3)	1	0	0	0	2	2	0
7	Demonstrate the ability to utilize scientific laboratory equipment including measurement devices, compound light microscopes, and electronic equipment in pursuit of the scientific method.	P-Manipulate (2)	1, 2	0	0	0	0	0	0
8									
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