MISSION STATEMENT AND STUDENT LEARNING OUTCOMES for Biology

Review Year: 2023

Division:	Discipline/Program/Department:	Contact Person(s):
Math & Sciences	Biology	Knoth, Kenneth

Mission Statement

The Biology Department at Southwestern Illinois College recognizes the importance of a scientifically literate community. Therefore, as a faculty committed to excellence in teaching, we strive to promote the development, interpretation, and assessment of critical thinking alongside a knowledgeable appreciation for the diversity and complexity of life.

Program/Discipline Curriculum Map

I = Introduce: Student is first exposed to the concept/idea and is requested to apply the concept in a limited scope.
E = Emphasize: Student applies concept(s) in varying/multiple situations of greater complexity than when initially introduced.
R = Reinforce: Student may be expected to understand the concept upon taking the course and utilizes the concept in conjunction with other concepts/ideas to solve problems.

Program/Discipline Outcomes	***Course Prefix and Number***														
Graduates of this program/discipline shall be able to:	BIOL 100	BIOL 101	BIOL 102	BIOL 105	BIOL 106	BIOL 108	BIOL 110	BIOL 111	BIOL 151	BIOL 157	BIOL 158	BIOL 220	BIOL 250	BIOL 270	
Apply concepts and fundamental principles of Biology.	I	I	E	I	I	I	I	I	I	I	E	R	E	R	
Utilize scientific methods.	I	I	E			I		I	I	I	R	R	E	E	
Collect data using appropriate techniques.	I	I	E		I	I		I	I	I	E		E	E	
Demonstrate comprehension, analysis, synthesis, and evaluation of scientific data.	I	I	E		I	I	I	I	I	I	E		E	E	
Construct and interpret visual representations of data.	I	I	E	I	I	I	I	I	I	I	E	E	E	E	
Communicate technical information effectively.	I	I	E		I	I	I	I	I	I	E	R	E	R	

Map Comments:

Core Competency Map

Core Competencies	***Course Prefix and Number***														
	BIOL 100	BIOL 101	BIOL 102	BIOL 105	BIOL 106	BIOL 108	BIOL 110	BIOL 111	BIOL 151	BIOL 157	BIOL 158	BIOL 220	BIOL 250	BIOL 270	
Communication Skills															
1. Computer Literacy															
2. Oral Communications															
3. Writing															
Reasoning Skills															
4. Critical Thinking															
5. Quantitative Literacy															
Citizenship															
6. Personal Accountability															
7. Civic And Social Accountability															