

Program: Biology

Program Coordinator: Daryl Cox

Associated Faculty (indicate Full Time or Adjunct): Andrea Nord (FT), Bwarenaba Kautu (FT), Daryl Cox (FT), Eugene Dunkley (FT), Jessica Eveal (Adj), Eric Nord (FT), Bob Rinella (Adj), Jacqueline Cato (Adj)

Program Mission Statement:

The Department of Biology is committed to excellence. Our mission is two-fold: First is to prepare biological scientists who demonstrate open-minded inquiry, integrity, service, and stewardship of God's creation, and the second is to help the liberal arts student to better understand and appreciate their role in God's created order. We see this commitment as an affirmation of the mission of Greenville College.

Program/Major Objectives: Qualities and competencies expected in graduates from this program/major

At the close of their degree students should be able to:

1. Think like a biologist
 1. Demonstrate working knowledge of major areas of biology as identified in the biology major (cellular/molecular, anatomical, ecology).
 2. Describe ethical dimensions of biological issues and articulate links between the study of biology and a Christian worldview
2. Work like an biologist
 1. Formulate testable hypotheses
 2. Collect, Analyze, and Interpret Data
 3. Appropriately utilize scientific literature
 4. Integrate their biology major with their professional goals
3. Communicate like a biologist
 1. Orally present scientific information effectively
 2. Communicate scientific information in written form effectively
 3. Use relevant scientific terminology

Learning Objective Alignment Worksheet

Date: Feb 10, 2017

Student Learning Outcomes	Program Objective Number	Course Number	Course Objective Number	Assignment in Course	Assessment Method	Level of Mastery
1. Seek Truth Through Critical Inquiry and Research						
1.1 Practice critical self-awareness						
1.2 Understand our world and comprehend quantitative and conceptual relationships	1.1	BIOL 110	2	Exams	70%	I
		BIOL 305	2	Exam 3	70%	D
		BIOL 370	3	Exam 2, Final, Lab 8	70%	M
1.3 Think integratively to solve problems	2.2	BIOL 110	5	Open inquiry fermentation lab	70%	I
		BIOL 305	5	Labs 1 - 9	70%	D
		BIOL 410	??	Paper & Presentation	70%	M
	2.3	BIOL 110	5	Open inquiry fermentation lab	70%	I
		BIOL 320	2	Presentation 1	70%	D
		BIOL 410	??	Paper & Presentation	70%	M
1.4 Apply skills and systematic reasoning	2.1	BIOL 112	6	Independent experiment	70%	I
		BIOL 370	7	Lab Project	70%	D
		BIOL 410	??	Paper & Presentation	70%	M
2. Collaborate and Communicate						
2.1 Communicate and Cooperate	3.1	BIOL 305	7	Presentation 1	70%	I
		BIOL 320	3	Brain project poster	70%	D
		BOIL 410	2	Research Presentation	70%	M
	3.1	BIOL 112	6	Lab Project	70%	I
		BIOL 305	8	Lab Project	70%	D
		BIOL 315	4	Research Paper	70%	M
	3.3	BIOL 112	1	Exam 3, homework 3	70%	I
		BIOL 245	5	Lab Quizzes	70%	D
		BIOL 370	8	Lab Project	70%	M
2.2 Value others						
3. Engage Culture and Be Creative						
3.1 Demonstrate cultural awareness						
3.2 Demonstrate creativity and appreciation...						
4. Demonstrate Faith and Learning in Action						
4.1 Recognize worldviews						
4.2 Apply Christian values						
4.3 Respond to God						
4.4 Maintain healthy self-regard and...						