

Program: Environmental Biology      Program Coordinator: Eric Nord

Associated Faculty (indicate Full Time or Adjunct): Andrea Nord (FT), Bwarenaba Kautu (FT), Daryl Cox (FT), Eugene Dunkley (FT), Eric Nord (FT), Bob Rinella (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 an environmental biologist
  1. Demonstrate working knowledge of major areas in environmental biology (organismal biology, ecology, environmental science, and environmental policy).
  2. Describe ethical dimensions of biological issues and articulate links between the study of biology and a Christian worldview.
2. Work like an environmental biologist
  1. Formulate testable hypotheses
  2. Collect, Analyze, and Interpret Data
  3. Appropriately utilize scientific literature
  4. Demonstrate development of relevant professional skills
3. Communicate like an environmental 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
<b>1. Seek Truth Through Critical Inquiry and Research</b>						
1.1 Practice critical self-awareness						
1.2 Understand our world and comprehend quantitative and conceptual relationships	1.1	BIOL 108	1	Exams, Labs	70%	I
		BIOL 215	2	Lab keying exam, collection	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 309	5	Lab Practical Exams 1,2	70%	D
		BIOL 410	1, 2	Paper & Presentation	70%	M
	2.3	BIOL 115	4	Tree ID lab, Tree ID quiz	70%	I
		BIOL 370	8	Lab Project	70%	D
		BIOL 410	1, 2	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	1, 2	Paper & Presentation	70%	M
<b>2. Collaborate and Communicate</b>						
2.1 Communicate and Cooperate	3.1	BIOL 405	5	Journal, final report, presentation	70%	D
		BOIL 410	2	Presentations	70%	M
	3.1	BIOL 115	5	Lab Project	70%	I
		BIOL 370	8	Lab Project	70%	D
		BIOL 410	1	Research Paper	70%	M
	3.3	BIOL 112	3	Exam 3, homework 3	70%	I
		BIOL 215	1	Lab Quizzes	70%	D
		BIOL 370	8	Lab Project	70%	M
	2.2 Value others					
<b>3. Engage Culture and Be Creative</b>						
3.1 Demonstrate cultural awareness						
3.2 Demonstrate creativity and appreciation...						
<b>4. Demonstrate Faith and Learning in Action</b>						
4.1 Recognize worldviews						
4.2 Apply Christian values						
4.3 Respond to God						
4.4 Maintain healthy self-regard and...						