

Institutional Effectiveness
2020-2021

Program: Env

College and Department: College of Interdisciplinary Studies – School of Env

Contact: Dr. Steve

Mission: The School of Env will foster in students the ability to lead a professional life that contributes to the economic well-being of society.

Concentrations and Options: The B.S. degree program in Env has three concentrations. Two of the concentrations are within the same department:

Concentration 1. Env

- Option 1.1. Biology
- Option 1.2. Chemistry
- Option 1.3. Earth & Atmospheric Science

Concentration 2. Society, Culture and Communication

- Option 2.1. Communication and Media
- Option 2.2. Global Studies
- Option 2.3. Health and Environment

Concentration 3. Env and Technology

Program Goals:

1. Students will be able to analyze and propose sustainable solutions for complex, real-world environmental issues.

2. Students will demonstrate and integrate knowledge from the physical and social sciences to address environmental issues. (1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11, 1.12, 1.13, 1.14, 1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 1.21, 1.22, 1.23, 1.24, 1.25, 1.26, 1.27, 1.28, 1.29, 1.30, 1.31, 1.32, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39, 1.40, 1.41, 1.42, 1.43, 1.44, 1.45, 1.46, 1.47, 1.48, 1.49, 1.50, 1.51, 1.52, 1.53, 1.54, 1.55, 1.56, 1.57, 1.58, 1.59, 1.60, 1.61, 1.62, 1.63, 1.64, 1.65, 1.66, 1.67, 1.68, 1.69, 1.70, 1.71, 1.72, 1.73, 1.74, 1.75, 1.76, 1.77, 1.78, 1.79, 1.80, 1.81, 1.82, 1.83, 1.84, 1.85, 1.86, 1.87, 1.88, 1.89, 1.90, 1.91, 1.92, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 2.00)

3. Students will demonstrate the ability to integrate social, economic, biological, and physical science knowledge to identify and solve environmental issues.

A departmental review of the program will be conducted to evaluate the effectiveness of the program and student learning outcomes.

Assessment Methods:

Required Core Curriculum

- x ABE 4120 / Intro R
- x BI 3120/3130 / Gen Ecology (with or non -1)
- x ES1100 / Intro. to Env
- x ES3710 or CIEM 710 / Chemistry of the Env
- x ES3000 / Intro. to Env
- x BI 1045 / Earth Env
- x IT 3900 / Env
- x MATH 3070 / Statistical Methods I
- x CI 3600 / Env

Results:

Rubric for senior capstone course. (Items 1,2,3) in the capstone report first course
4001) as exploration of a world
organization or geographic area (4002) in
solving a problem or implementing a portion of the project. During 2020, in
collaboration with the Conservancy, the capstone is designed project based on
sustainability at Bridgeton R

to 4 from the students who provided their exit survey

n = number of

Question	Associated Learning Outcome	Academic Year					
		2015-16 (n = 6)	2016-17 (n = 8)	2017-18 (n = 14)	2018 -19 (n = 9)	2019 -20 (n = 5)	2020-21 (n = 5)
Use of scientific literature	1.						

ES4002 4.9 4.6 4.3 5.0 4.6 - - 4.5 - - 4.9 4.3 - - - - - - 4.9 4.3

correctly. We are currently looking at a list of one criterion
 course.

s/options to select a G

in order to collect more related information through
 2, we are able to provide to track how individ
 (including findings in the field) for the state (Table 3)
 positions. Collecting and tracking the additional data prov
 sible as the night need for improv

the positions are shown in Appendix 1 and

and spring state (Table 4) of the

Table 3: R

scored from a range of 1 to 4, with 4 being the highest score given

Rubric for Research Project Proposal, Fall 2020

Final Grade: 20.25/24=0.84

Thesis/ Problem/ Question	Introduction	Literature Review	Documentation	Methodology	Proposal Structure	Budget
NA - finds wee giv reser question/ topic	3.5	3	3.5	3.25	3.75	3.25

The table shows a pattern of scores for strengthening the literature
 address this individual
 the table shows a pattern of scores for strengthening the literature
 present state literature
 project, &

process. We
 of the
 a noted biography, and write sad
 work with the table to address the portion of the



Each during our some research, we discuss, among other things, the
base during the pro
attention on conducting literature searches and re
in the preparation and support needed during the s emster.

As the project is a the stone
has developed an evaluation/sustainability research question of their own design, proposed a
solution, and the implementation of the solution to a process of working with an organization or gov
ernment to realize the proposed solution to a world problem. The project, the assessment
will need to also reflect this.

As mentioned earlier, the final exam will assess the knowledge
of graduating seniors. Will begin collecting data this year so the we can determine specific
knowledge strengths and room for growth.

Appendices

1. Curriculum
2. R
3. R

Appendix 1: Curriculum Map

Env

Course	Title	Learning Items		
		Integrate Knowledge	Communication skills	Teamwork skill
ES1100	Intro to Env	X	X	X
ES1020	Connections to the Env Studies	X		
ES1045	EarthEnv and Society	X		
BI3120/3130	Cell Biology	X		
ES3710/ 4710 CHE3710/ 4710	Chemistry of the Env	X	X	

ES3000

Intro to Env

8 1730. 44 54. 64 2. 16 0. 99 r 17302. 6 53. 16 79. 44 0. 959 r 1730. 04 539. 16 0. 96 0. 959

Appendix 2: Research Proposal Rubric

Appendix 3: Research Presentation Rubric

R

ibicfr ES4002 Capstone rseto v