FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology_____Date___7/28/21_____

Course No. or Level_ENVR 101_/ BIOL 103__Title_Introduction to Environmental Science_____

Semester hours___4__Clock hours: Lecture____3_____Laboratory___3___

Prerequisites__none

Enrollment expectation____40_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description____Jeff Steinmetz_____

Department Chairperson's/Dean's Signature Vernon W. Bauer

Provost's Signature Peter King

Date of Implementation_____August 2022_____

Date of School/Department approval_____8/19/21_____

Catalog description: ENVR 101 Introduction to Environmental Science (4:3-3). (Same as Biol 103; Does not count toward biology major.) F. A study of the needs of human beings for food, energy, and other natural resources and the effects of their actions on the air, water, soil, plants and other animals. The diversity of life, ecology and evolution will be included. Throughout the course the process of doing science is emphasized. Credit cannot be received for Biol 103 and ENVR 101.

Purpose: 1. **For Whom (generally?):** nonmajors, environmental science majors, environmental studies majors. The name change reflects the fact that this will be a cross listed course with ENVR 101: Introduction to Environmental Science and BIOL 103: Introduction to Environmental Science

2. **What should the course do for the student?** Introduce students to the basic principles of environmental science and develop an understanding of the scientific method.

Teaching method planned: : Three hours of lecture each week and three hours of lab each week. Lectures will be a mix of PowerPoint, classroom activities, and discussions. Lab will be a mix of hands-on laboratory exercise and computer simulations.

Textbook and/or materials planned (including electronic/multimedia):
Sherman, D.J. and D.R. Montgomery. 2020. Environmental Science and Sustainability. W.W. Norton Inc., New York, NY. ISBN 978-0-393-42210-8

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

ENVR 101: Introduction to Environmental Science

Instructor: Dr. Jeff Steinmetz
Office: 201E MSB
Office Hours: Tu 10:00-11:30; W 1-3; Th 10-11:30; and by appointment
e-mail: jsteinmetz@fmarion.edu
Phone: 843-661-1404

Texts:
Sherman, D.J. and D.R. Montgomery. 2020. Environmental Science and Sustainability. W.W. Norton Inc., New York, NY. ISBN 978-0-393-42210-8

Course Info: Lecture: M/W/F 8:30-9:20. This is a 4 credit course, so you MUST also be registered for an ESS 101 lab section. Lecture counts for 75% of your grade, lab counts for 25%.

Requirements:			**Grading Scale:**	
	Quizzes:	12%		A=90
	Exam 1:	20%		B+=87
	Exam 2:	20%		B=80
	Exam 3:	20%		C+=77
	Final Exam:	20%		C=70
	Participation/Attendance	3%		D+=67
	Lab	25%		D=60
		100%		F≤59

Note: Lowest score from 1st 3 exams is dropped

Course description:

As the world population grows and our understanding of ecology expands, environmental issues are becoming an increasingly important part of the scientific, cultural and political landscapes. Whatever your chosen career path, you will undoubtedly hear about the environment in news media and political debates, and will very likely confront issues that touch you directly. To be able to follow these discussions and make informed decisions, it's crucial to have a basic understanding of how science works as well as the science, management and policy behind these stories. This class is designed to give you that knowledge.

Student Learning Objectives:

- Be able to describe the scientific method and use it to solve problems
- Understand basic ecological concepts such as limiting resources, exponential population growth, competition, and biogeochemical cycles
- Be able to understand and discuss major environmental issues such as genetically modified crops, overpopulation, water and air quality, global climate change, and energy issues
- Understand basic environmental law and policy
- Construct and interpret graphical data

Table 1: *Tentative* Schedule

Date	Topic	Assignment	Lab Topic
	Part I: Environmental and Scientific Foundations		
Jan 11	Intro to Course	None	None
Jan 13	Environmental History, Economics, Policy Basics	Chapter 1 & 2	
Jan 16	MLK Day - No Class		None
Jan 18	Environmental Policy / Scientific Method	Chapter 1 & 2	
Jan 19	Science Basics: Scientific Method, Chemistry, Energy	Chapter 1 & 3	
Jan 23	Evolution & Plant Taxonomy	Chapter 3; Quiz 1	Scientific Method
Jan 25	Plant Taxonomy / SC Plants	Handouts	
Jan 27	SC Plants / Animals	Handouts	
Jan 30	SC Animals	continued; Quiz 2	Plant Bio / Transpiration
Feb 1	Review		
Feb 3	**EXAM 1**		
Feb 6	Populations and Niches	Chapter 4	Plant Bio / Photosynthesis
Feb 8	Niches / Species Interactions	Chapter 4	
Feb 10	Species Interaction/ Succession	Chapter 4	
Feb 13	Biomes	Chapter 4	Sampling: Mark-Recapture
Feb 15	Biomes: Film		
	Part II: Scientific Applications		
Feb 17	Demography and Human Populations	Chapter 6, Quiz 3	
Feb 20	Populations / Toxicology	Chapter 6 and 17	Population: Survivorship Curves
Feb 22	Toxicology and Human Health	Chapter 17	
Feb 24	Freshwater and Marine Conservation	Chapter 7	
Feb 27	Freshwater and Marine Conservation	Chapter 7	Overfishing
Feb 29	Marine Conservation / Film	Chapter 7, Quiz 4	
Mar 2	Review		
Mar 5	**EXAM 2**		Water
Mar 7	Atmosphere and Air Pollution	Chapter 8	
Mar 9	Air Pollution / Global Climate Change	Chapter 8 and 11	
Mar 12-16	Spring Break		
Mar 19	Global Climate Change	Chapter 11	Climate Change / Footprints
Mar 21	Nonrenewable Energy	Chapter 13, Quiz 5	
Mar 23	Nonrenewable / Renewable Energy	Chapter 13 and 14	
Mar 26	Renewable Energy	Chapter 14	Testing for GMOs
Mar 28	Agriculture and GMOs	Chapter 12	
Mar 30	Agriculture and GMOs	Chapter 12	
April 2	Review		Animal Diversity
April 4	**EXAM 3**		
April 6	Agriculture and GMOs - Film		Plant Diversity
April 9	Biodiversity and Conservation Biology	Chapter 5	
April 11	Biodiversity and Conservation Biology	Chatper 5, Quiz 6	
April 13	Biodiveristy: Film		
April 16	Sustainability: Land Use and Resource Management	Chpater 9	Species Richness
April 18	Sustainability: Waste Management	Chapter 15	
April 20	Sustainability: Urbanization	Chapter 16	
April 23	Catch-up / Review for Final	Quiz 7	

FINAL: WED, APRIL 25TH, 8:30 A.M.

Attendance and Participation Policy:

You are expected to attend class regularly and punctually. Students that attend regularly routinely do better in the course than those that do not. You are responsible for obtaining, completing, and submitting missed assignment. Note that the lecture outline is tentative. Should you miss class, check with myself or a fellow classmate to see if there were any changes announced on the day you missed.

Note that attendance counts towards the participation portion of your grade. I will not take attendance everyday, but I will spot-check for attendance randomly throughout the semester. For each day that you have an unexcused absence, you will lose 5 participation points (out of 100). According to FMU policy, ***more than six unexcused lecture absences, can result in dismissal from the course and a grade of an F or W.*** If you choose to withdraw from the course, you are responsible for filing the paperwork with the registrar. If you missed class for a legitimate reason, it is your responsibility to provide documentation to avoid having an unexcused absence. For example, if you're sick, get an official doctor's excuse.

Participation means attending class regularly, speaking during discussions, being on time, paying attention to ideas being discussed, and proper classroom behavior (see below).

Classroom Behavior:

In the class and lab, you are expected to treat your fellow classmates with respect and civility. **ASOLUTELY NO CELL PHONE / IPOD / ELECTRONIC DEVICE USE during class. You will lose five participation points (out of 100) for every time you're caught using one of these devices.** If you engage in disruptive behavior you will be asked to leave the class and be counted as absent for that day. Repeated offenses will result in your being dropped from the course.

If you are a parent or have a situation where your phone needs to be on, set it to vibrate and if you absolutely need to take the call step outside the classroom to do so.

Academic Honesty and Plagiarism:

Every student is responsible for turning in his or her own unique work. Cheating and plagiarism will not be tolerated in the classroom. ***Depending upon the severity of the offense, you may receive an F for that assignment or an F for the entire course.*** You will also be reported to the appropriate university office. A first offense typically results in an F on that assignment or and F in the course. A second offense results in a one semester suspension. A third offense results in expulsion from the university. If you are not sure what constitutes cheating or plagiarism, ask me before completing the assignment. "I didn't know" is NOT an acceptable excuse.

Quizzes:

Quizzes will consist of multiple choice questions done on Blackboard. There will be seven quizzes over the course of the semester (roughly one every two weeks). Quizzes are open notes/book, and are designed simply to help you keep up with the material and figure out what you do and do not understand. You may drop your lowest quiz score. You will have a window of time to complete these quizzes, thus no make-up quizzes will be given. I encourage you to take all the quizzes, just in case later in the semester you forget one, have a bad week, get sick, have computer problems, etc.

Exams:

Exams will be given during regular class time. Thus you will have the full class period to complete the exams. They will consist of multiple choice, true and false and/or matching questions. Exams 1-3 will not be cumulative and will only cover material since the previous exam; however, the final exam will be cumulative. The cumulative portion of the final will be drawn from material on the first three exams. You may drop your lowest regular exam, thus no make up exams will be given. However, ***everyone MUST take the final exam!***

Withdrawal

The last day to officially drop a course without academic penalty is Feb. 9th (you will have your first exams back by this point). Withdrawals after this date will result in a grade of W or F, depending on your current grade, except in cases of incapacitating illness or family trauma. ***Make up your mind whether you are serious about the class before this date!*** I do not allow frivolous withdrawals after this point.

Accommodations of Disabilities:

I am happy to make accommodations for students with special needs; however, you first must provide proper documentation from the Office of Counseling and Testing. You must also notify me of your needs one week prior to an assignment/quiz/test/etc. to allow time to arrange for the appropriate accommodations.

Extra Credit Work:

If you're concerned about your grade you may complete a one page, single spaced article summary and critique. It will count for ***up to*** an additional 2% of your final course grade. This is enough to push those on the edge of a higher grade up to the next level (e.g. a B+ to an A). Articles can be on any environmental topic of your choice, but must be approved by me ahead of time for content and length. Articles must be substantial in nature to be approved, at least two single spaced pages at a minimum. These could be scientific journal articles, a lengthy newspaper article or a longer magazine article. Include a summary of the article, and your thoughts and response to the issues raised. Attach the article to your critique. ***Extra credit must be completed by the BEGINNING of our last regular scheduled class period, April 23rd.*** You have all semester to work on this assignment, so ***absolutely no exceptions***.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology_____Date___7/28/21_____

Course No. or Level_ENVR 102____Title____Introduction to Sustainability_____

Semester hours___3____Clock hours: Lecture____3_____Laboratory_____

Prerequisites__none

Enrollment expectation____30_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description____Jeff Steinmetz_____

Department Chairperson's/Dean's Signature Vernon W. Bauer

Provost's Signature Peter King

Date of Implementation_____January 2023_____

Date of School/Department approval_____8/19/21_____

Catalog description:

ENVR 102 Introduction to Sustainability (3) This class provides a broad overview of issues associated with sustainability, from both a U.S. and international perspective. Students will learn the basic concepts of sustainability, explore the science of sustainability, look at practical applications of sustainability by governments and businesses, and learn how to measure sustainability.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors, nonmajors
2. **What should the course do for the student?** Introduce students to the basic principles of sustainability; learn about practical applications of sustainability for individuals, businesses, and governments; and learn how to assess and measure sustainability.

Teaching method planned: : Three hours of lecture each week. Lectures will be a mix of PowerPoint, classroom activities, and discussions.

Textbook and/or materials planned (including electronic/multimedia):
Tom Theis and Jonathan Tomkin, Editors, Sustainability: A Comprehensive Foundation. OpenStax CNX. Dec 26, 2018 http://cnx.org/contents/1741effd-9cda-4b2b-a91e-003e6f587263@45.1

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

ENVR 102: Introduction to Sustainability

Instructor: Dr. Jeff Steinmetz
Office: 201A MSB
Office Hours: 12-1 after class, anytime my door is open; and by appointment
e-mail: jsteinmetz@fmarion.edu
Phone: 843-661-1404

Texts:
Tom Theis and Jonathan Tomkin, Editors, Sustainability: A Comprehensive Foundation. OpenStax CNX. Dec 26, 2018 http://cnx.org/contents/1741effd-9cda-4b2b-a91e-003e6f587263@45.1

Course Info: Tu / Th

Requirements:	Participation:	10%	**Grading Scale:**	A=90
	Quizzes:	10%		B+=87
	Perusall:	10%		B=80
	Exams 1-3:	30%		C+=77
	Final Exam:	10%		C=70
	Final Project:	30%		etc.

Course description:

With the continued and growing threat of climate change and diminishing global resources, more countries and business are implementing sustainability practices. This is fueled in part by technological breakthroughs that have reduced costs of implementation, making these practices more economically practical to adopt. In this course students will learn the basic concepts of sustainability, explore the science of sustainability, look at practical applications of sustainability by governments and businesses, and learn how to measure sustainability.

Student Learning Objectives:

- To introduce students to traditional and modern concepts of sustainability
- To introduce students to various subdisciplines of sustainability, including infrastructure, energy, agriculture, policy, etc.
- To apply sustainability principles to real life problems
- To understand local, regional and global differences in approaches to sustainability

Student Learning Outcomes

- Describe facets of sustainability and its subdiscipline
- Be able to measure sustainability using several common metrics
- Identify ways to improve a system/business/industry through the implementation of sustainable practices
- Create a report on how an institution of the student's choosing can work toward becoming more sustainable in both the short and long term

Tentative Topic List (subject to change)

Week	Topic	Readings/Assignment	Assessment
1	Introduction to Sustainability	Chapter 3	
2	US Environmental Policy	Chapter 4	Quiz 1
3	Climate Change	Chapter 5 / Handouts	
4	The Biosphere and Extinction Crisis	Chapter 6	Exam 1
5	Physical Recourses: Water, Pollution, Minerals	Chapter 7	
6	Physical Resources: Water, Pollution, Minerals	Chapter 7 / Handouts	Quiz 2
7	Environmental and Resource Economics	Chapter 8	
8	Modern Environmental Management	Chapter 9	Exam 2
9	Sustainable Energy Systems	Chapter 10	
10	Sustainable Energy Systems	Chapter 10 / Handouts	Quiz 3
11	Problem Solving, Metrics and Tools for Sustainability	Chapter 11	
12	Sustainability Ethics, Culture and History	Chapter 12	Exam 3
13	Sustainability Infrastructure	Chapter 13	
14	Final Project Work		Quiz 4
15	Final Project Work / Presentations		Final Project

Attendance Policy:

You are expected to attend class regularly and punctually. You are responsible for obtaining, completing, and submitting missed assignment. Note that the lecture and lab outlines are tentative. Should you miss class, check with myself or a fellow classmate to see if there were any changes announced on the day you missed.

Note that attendance counts towards the participation portion of your grade. For each day that you have an unexcused absence, you will lose 5 participation points (out of 100). For each day that you are late, you will lose 1-5 participation points depending on how late you are. If you choose to withdraw from the course, you are responsible for filing the paperwork with the registrar. If you need to miss legitimate reasons, it is your responsibility to provide documentation to avoid having an unexcused absence. For example, if you're sick, get an official doctor's excuse.

Participation:

Participation involves attendance, speaking during discussions, being on time, paying attention to ideas being discussed, contributing fully and equally to projects, etc.

Assignments:

Quizzes will cover major topics being discussed in class, information on excursions/site visits, etc. Journal entries will be done electronically on Blackboard. Your major project will be applying the ideas and principles learned to produce a report on how an institution of your choice can become more sustainable in the short and long term. More details on each assignment will be provided in class.

Classroom Behavior:

In the class and lab, you are expected to treat your fellow classmates with respect and civility. Failure to do so may result in dismissal from the course. Inappropriate behavior may result in anything from a reduced course grade to failing the class.

Academic Honesty and Plagiarism:

Every student is responsible for turning in his or her own unique assignments. Cheating and plagiarism will not be tolerated in the classroom. ***Depending upon the severity of the offense, you may receive an F for that assignment or an F for the entire course.*** You will also be reported to the appropriate university office. A second offense results in suspension for one semester and a third offense results in expulsion from the university. If you are not sure what constitutes cheating or plagiarism, ask me before completing the assignment. "I didn't know" is not an acceptable excuse.

Late Work:

- Quizzes must be completed on the assigned day. Exceptions will only be made with proper documentation (e.g. doctor's excuse). Oversleeping or forgetting are not acceptable excuses.

Other Policies:

- NO CELL PHONES ARE ALLOWED IN CLASS. If you are caught using a cell phone, you will lose 3 participation points. If you are a parent or have a situation where your phone needs to be on, set it to vibrate and if you absolutely need to take the call step outside the classroom to do so.

Accommodations of Disabilities

I am happy to make accommodations for students with special needs; however, you first must provide proper documentation from the Office of Counseling and Testing. You must also notify me of your needs one week prior to an assignment/quiz/test/field trip/ etc. to allow time to arrange for the appropriate accommodations.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology_____Date___7/28/21_____

Course No. or Level_ENVR 201_____Title_____Water Quality and Water Resource Management_____

Semester hours___3____Clock hours: Lecture____3_____Laboratory_____

Prerequisites__none

Enrollment expectation____30_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description_____Jeff Steinmetz_____

Department Chairperson's/Dean's Signature Vernon W. Bower

Provost's Signature Peter King

Date of Implementation_____August 2023_____

Date of School/Department approval_____8/19/21_____

Catalog description:

ENVR 201 Water Quality and Water Resource Management (3) (Prerequisite: ENVR 101) With growing challenges from population growth, economic growth and climate change, understanding water related issues is critical to any city, state or country's future success. This class provides students with an overview of water resource management, with a special emphasis on water quality. Topics will include surface and groundwater issues, water related health issues, water treatment, water management and planning, water economics, and water laws and policy.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors
2. **What should the course do for the student?** Give students a better understanding of current water quality and water management issues. Give

them tools to evaluate water quality in a variety of settings. Give them tools to plan water management at a variety of scales.

Teaching method planned: : Three hours of lecture each week. Lectures will be a mix of PowerPoint, classroom activities, and discussions.

Textbook and/or materials planned (including electronic/multimedia):
Water Resources: An Integrated Approach. 2nd edition. 2019. Joseph Holden, ed. Routledge. New York, NY. ISBN: 9781138329225

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

ENVR 201: Water Quality and Water Resource Management

Instructor: Dr. Jeff Steinmetz
Office: 201A MSB
Office Hours: 12-1 after class, anytime my door is open; and by appointment
e-mail: jsteinmetz@finarion.edu
Phone: 843-661-1404

Texts:
Water Resources: An Integrated Approach. 2nd edition. 2019. Joseph Holden, ed. Routledge. New York, NY. ISBN: 9781138329225

Course Info: Tu / Th

Requirements:	Participation:	10%	**Grading Scale:**	A=90
	Quizzes:	10%		B+=87
	Perusall:	10%		B=80
	Exams 1-3:	30%		C+=77
	Final Exam:	10%		C=70
	Final Project:	30%		etc.

Course description: With growing challenges from population growth, economic growth and climate change, understanding water related issues is critical to any city, state or countries future success. This class provides students with an overview of water resource management, with a special emphasis on water quality. Topics in include surface and groundwater issues, water related health issues, water treatment, water management and planning, water economics, and water laws and policy.

Student Learning Objectives:

- To introduce students to basic concepts of water resource management
- To introduce students to various subdisciplines of water resource management, including: groundwater, surface water, health issues, water planning, flood and drought management, water economics, water laws and water policy.
- To apply water resource management principle to real world problems

Student Learning Outcomes

- Describe key concepts and issues of water resource management and its subdisciplines
- Be able to use online tools and software to calculate and manage water related issues such as water supply and flood risk
- Create a report on a how a city/region/business/industry etc. can improve its water resource a management

Tentative Topic List (subject to change)

Week	Topic	Readings/Assignment	Assessment
1	Water Basics	Chapter 1	
2	Climate Change and the Changing Water Cycle	Chapter 2	Quiz 1
3	Surface Water Hydrology	Chapter 3	
4	Surface Water Quality	Chapter 4	Exam 1
5	Groundwater	Chapter 5	Project topics
6	SC Water Quality Regulations	Handouts	Quiz 2
7	Aquatic Ecosystems	Chapter 6	
8	Water and Health	Chapter 7	Exam 2
9	Potable Water and Wastewater Treatment	Chapter 8	Project outline and references
10	Water Demand Planning and Management	Chapter 9	Quiz 3
11	Water Economics	Chapter 10	
12	Water, Conflict, Law and Governance	Chapter 11, Handouts	Exam 3
13	Virtual Water / Future of Water	Chapters 12 and 13	
14	Final Project Work: Workshops		Quiz 4
15	Final Project Work / Presentations		Final Project

Attendance Policy:

You are expected to attend class regularly and punctually. You are responsible for obtaining, completing, and submitting missed assignment. Note that the lecture and lab outlines are tentative. Should you miss class, check with myself or a fellow classmate to see if there were any changes announced on the day you missed.

Note that attendance counts towards the participation portion of your grade. For each day that you have an unexcused absence, you will lose 5 participation points (out of 100). For each day that you are late, you will lose 1-5 participation points depending on how late you are. If you choose to withdraw from the course, you are responsible for filing the paperwork with the registrar. If you need to miss legitimate reasons, it is your responsibility to provide documentation to avoid having an unexcused absence. For example, if you're sick, get an official doctor's excuse.

Participation:

Participation involves attendance, speaking during discussions, being on time, paying attention to ideas being discussed, contributing fully and equally to projects, etc.

Assignments:

Quizzes will cover major topics being discussed in class, information on excursions/site visits, etc. Journal entries will be done electronically on Blackboard. Your major project will be applying the ideas and principles learned to produce a report on how a city, business or institution of your choice can improve their water management in the short and long term. More details on each assignment will be provided in class.

Classroom Behavior:

You are expected to treat your fellow classmates with respect and civility. Failure to do so may result in dismissal from the course. Inappropriate behavior may result in anything from a reduced course grade to failing the class.

Academic Honesty and Plagiarism:

Every student is responsible for turning in his or her own unique assignments. Cheating and plagiarism will not be tolerated in the classroom. ***Depending upon the severity of the offense, you may receive an F for that assignment or an F for the entire course.*** You will also be reported to the appropriate university office. A second offense results in suspension for one semester and a third offense results in expulsion from the university. If you are not sure what constitutes cheating or plagiarism, ask me before completing the assignment. "I didn't know" is not an acceptable excuse.

Late Work:

- Quizzes must be completed on the assigned day. Exceptions will only be made with proper documentation (e.g. doctor's excuse). Oversleeping or forgetting are not acceptable excuses.

Other Policies:

- NO CELL PHONES ARE ALLOWED IN CLASS. If you are caught using a cell phone, you will lose 3 participation points. If you are a parent or have a situation where your phone needs to be on, set it to vibrate and if you absolutely need to take the call step outside the classroom to do so.

Accommodations of Disabilities

I am happy to make accommodations for students with special needs; however, you first must provide proper documentation from the Office of Counseling and Testing. You must also notify me of your needs one week prior to an assignment/quiz/test/field trip/ etc. to allow time to arrange for the appropriate accommodations.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology_____Date___7/28/21_____

Course No. or Level_ENVR 306_____Title_____Special Topics in Environmental Science and Studies_____

Semester hours___1-3____Clock hours: Lecture__1-3_____Laboratory__1-3___

Prerequisites__none

Enrollment expectation____15_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description_____Jeff Steinmetz_____

Department Chairperson's/Dean's Signature_____

Provost's Signature_____

Date of Implementation_____August 2021_____

Date of School/Department approval_____8/19/21_____

Catalog description:

ENVR 306 Special Topics in Environmental Science and Studies (1), (2), (3), or (4) (Prerequisite: ES 101 or permission of the department) In-depth study of an area of interest in environmental science and studies. Different areas of study offered on a rotating basis. May be taken twice for academic credit with departmental approval.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors
2. **What should the course do for the student?** Give students an indepth understanding of a particular environmental topic. Topics that could be covered may include, but are certainly not limited to: climate change, environmental justice, energy technology, ethical issues, biodiversity crisis, new or proposed laws and policy, etc.

Teaching method planned: : Will vary with particular course and topic.

Textbook and/or materials planned (including electronic/multimedia): Will vary with particular course and topic.

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

ENVR 306: Special Topics

Instructor: Dr. Jeff Steinmetz
Office: 201A MSB
Office Hours: 12-1 after class, anytime my door is open; and by appointment
e-mail: jsteinmetz@fmarion.edu
Phone: 843-661-1404

Texts: Will vary by subject chose for the particular special topics class

Course Info: Tu / Th

Requirements:	Participation:	10%	**Grading Scale:**	A=90
	Quizzes:	10%		B+=87
	Perusall:	10%		B=80
	Exams 1-3:	30%		C+=77
	Final Exam:	10%		C=70
	Final Project	30%		etc.

Course description: Environmental science is a rapidly changing field. This class is intended to meet this challenge by providing a course where current issues can be addressed. Topics that could be covered may include, but are certainly not limited to: climate change, environmental justice, energy technology, ethical issues, biodiversity crisis, new or proposed laws and policy, etc.

Student Learning Objectives:

- These will vary with each topic.

Student Learning Outcomes

- These will vary with each topic.

Attendance Policy:

You are expected to attend class regularly and punctually. You are responsible for obtaining, completing, and submitting missed assignment. Note that the lecture and lab outlines are tentative. Should you miss class, check with myself or a fellow classmate to see if there were any changes announced on the day you missed.

Note that attendance counts towards the participation portion of your grade. For each day that you have an unexcused absence, you will lose 5 participation points (out of 100). For each day that you are late, you will lose 1-5 participation points depending on how late you are. If you choose to withdraw from the course, you are responsible for filing the paperwork with the registrar. If you need to miss legitimate reasons, it is your responsibility to provide documentation to avoid having an unexcused absence. For example, if you're sick, get an official doctor's excuse.

Participation:

Participation involves attendance, speaking during discussions, being on time, paying attention to ideas being discussed, contributing fully and equally to projects, etc.

Assignments:

These will vary with each class, but may include quizzes, exams, oral presentations, written papers or reports, case studies, projects, etc.

Classroom Behavior:

You are expected to treat your fellow classmates with respect and civility. Failure to do so may result in dismissal from the course. Inappropriate behavior may result in anything from a reduced course grade to failing the class.

Academic Honesty and Plagiarism:

Every student is responsible for turning in his or her own unique assignments. Cheating and plagiarism will not be tolerated in the classroom. ***Depending upon the severity of the offense, you may receive an F for that assignment or an F for the entire course.*** You will also be reported to the appropriate university office. A second offense results in suspension for one semester and a third offense results in expulsion from the university. If you are not sure what constitutes cheating or plagiarism, ask me before completing the assignment. "I didn't know" is not an acceptable excuse.

Late Work:

- Assignments must be completed on the assigned day. Exceptions will only be made with proper documentation (e.g. doctor's excuse). Oversleeping or forgetting are not acceptable excuses.

Other Policies:

- NO CELL PHONES ARE ALLOWED IN CLASS. If you are caught using a cell phone, you will lose 3 participation points. If you are a parent or have a situation where your phone needs to be on, set it to vibrate and if you absolutely need to take the call step outside the classroom to do so.

Accommodations of Disabilities

I am happy to make accommodations for students with special needs; however, you first must provide proper documentation from the Office of Counseling and Testing. You must also notify me of your needs one week prior to an assignment/quiz/test/field trip/ etc. to allow time to arrange for the appropriate accommodations.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Biology **Date** 8//21

Course No. or Level: ENVR 316 / PRS 316 **Title:** Environmental Ethics

Semester hours 3 Clock hours: Lecture 3 Laboratory 0

Prerequisites: None

Enrollment expectation: 10-15

Indicate any course for which this course is a (an)

Modification: none
(proposed change in course title, course description, course content or method of instruction)

Substitute: none
(The proposed new course replaces a deleted course as a General Education or program requirement.)

Alternate: none
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: Matthew Turner

Department Chairperson's/Dean's Signature Vernon W. Bauer

Provost's Signature Peter King

Date of Implementation January 2023

Date of School/Department approval 8/19/21

Catalog description:
ENVR 316 (3) (Same as PRS 316) This course discusses ethics with specific reference to environmental issues. Specific issues include, among others: obligations to non-human animals, equitable distribution of scarce resources, development, and issues in environmental aesthetics. Credit cannot be given for both PRS 316 and ENVR 316.

Purpose:

1. **For Whom (generally?):** Environmental Science and Studies students, as well as any undergraduate student needing general education credit in the humanities.
2. **What should the course do for the student?** Introduce students to the basics of ethical theory and see how those theories inform solutions to specific ethical problems. Such problems include: obligations to non-human animals, pollution, use of scarce resources, problems of being inhabitants of a highly developed economy, and whether aesthetic approaches to the environment have any ethical

relevance.

Teaching method planned: Three hours of lecture and discussion, based on assigned readings. Students will further develop their understanding through writing assignments that require students to defend a particular point of view in an argumentative essay.

Textbook and/or materials planned (including electronic/multimedia):
Required Textbooks:

*Please see attached syllabus

Course Content:

*Please see attached syllabus

Rationale: This proposal outlines a plan for a new course for both Environmental Science and Studies students as well as for the general undergraduate student body. This class will be relevant for Biology and Environmental Science and Studies students, as it will offer an exploration of questions of value that are not typically addressed with more typical empirical approaches. The course will be valuable for the general student population as the subject matter addresses many pressing contemporary moral problems, as noted above, and in the proposed syllabus

When completed, forward to the Office of the Provost.

PRS 316

Environmental Ethics

TBD

Dr. Matthew Turner
234 Founders Hall
843.661.4695
mwturner@fmarion.edu

Office Hours: Monday, 2.00 { 3.00, Wednesday, 2.00 { 3.00, and by appointment

Course Description

Environmental ethics is a broad designation for a _eld that addresses questions about the kind of value that the environment has, and what our obligations to that environment are. It seems natural to suppose that nature has some kind of intrinsic value, but on scrutiny, this proposition is not obviously true, because, as far as we can tell, humans are the only living species that utilizes the concept of value. This point then suggests that the environment's only value is instrumental, i.e. it is only valuable insofar as it is valuable for human use and consumption. But while we need to utilize the resources of the environment for our survival, modern humanity faces severe consequences (climate change and its consequences in particular) because of our utilization of the Earth's resources.

This course will address this central problem in a handful of ways. First, we'll look at ethical theory, to understand how philosophers understand the concept of value itself. Next, we'll work to understand the concepts of both the environment and nature, because while these terms seem to be straightforwardly definable, our definitions of them often hide assumptions we hold about what value the environment and nature have. Third, we'll turn to some specific issues: animal rights, pollution, development, scarcity of resources, the problems of being inhabitants of a highly developed nation, among others. Lastly, time permitting, we'll turn to issues of environmental aesthetics, looking specifically at the question: does our aesthetic appreciation of nature or the environment have anything to do with our ethical obligations? This course will take an interdisciplinary approach, combining classic and contemporary philosophical sources, along with other non-philosophical materials, particularly fiction, poetry, visual and environmental art.

Textbooks

Schmitz and Schahar, eds. Environmental Ethics: What Really Matters, What Really Works, 3d ed., Oxford University Press, 2018.
Carlson and Berleant, eds. The Aesthetics of Natural Environments, Broadview, 2004.
Other various readings that I'll supply throughout the term.

Evaluation

3 Papers, 3-4 pages (20% each)
Midterm Exam (20%)
Final Exam (20%)

Grading: Practices and Policies

My scale: 90-100 = A; 88-89 = B+; 80-87 = B; 78-79 = C+;70-79 = C; 68-89 = D+; 60-69 = D, 59 and lower = F.
`C' represents work that is average. I give this grade to work that completes the course requirements. A's and B's are reserved for work that demonstrates more effort, depth, and polish. I am happy to work with you to get the grade that you want. Keep in mind that your grade is a function of your work.
I will take attendance at the beginning of the semester to help myself associate names to faces. Although I will not automatically drop students for missing a certain number of classes, I reserve the right to do so in accordance with University policy.

Extra Credit

Students often ask for extra credit. Often what they want is to get credit towards their final grade by doing less work or easier work. Concentrate your energy on earning regular credit.

Academic Honesty

I have a zero-tolerance policy to incidents of academic dishonesty. This includes cheating and plagiarism. Any instance of academic dishonesty will result in a zero for the assignment, with no possibility of making it up, as well as the appropriate administrative documentation. Multiple instances will result in failure for the course. Please refer to the student handbook for more specific information about Francis Marion's policy regarding academic honesty.

Disability Services

If you are affected by the impact of a disability, and require an accommodation, please feel free to come and talk to me in private to discuss your situation. If you are entitled to extra time for your examination, you must notify me one week in advance of the scheduled exam.

Cell Phones & Technology

You don't need a computer or phone in the class. Please don't use them while in class. Use of such devices is a distraction to the class as a whole. It's also rude. I'm serious: I've taught this class for a number of years and I've seen students spend their time on their phone and end up doing poorly. Rest assured, the world will still be there after class is over.

Exams

Exams will be taken in class. A blue book is required for the exams. If you do not bring a blue book to complete your exam, your score will be deducted 10 points (one letter grade).

Writing Assignments

The writing assignments will follow a specific format. Writing in philosophy is different than writing for other disciplines. These assignments will ask you to construct your own philosophical arguments. Each paper must include at least four specific components: a thesis, an exposition of the thesis, an argument for the thesis, and an answer to one objection to your argument. Any paper without these four components can score no higher than a `D' grade; once those four components are present, then I can go on to evaluate whether the paper merits an A, B, or C.

You can turn your paper into me either as a printed copy, or you can send the paper to me by email. If you send it via email please do so as either a MS-Word document or a PDF _le. Please do not send me a Google doc. If you use Google docs { no problem { you can send your paper directly from there as a PDF. You just need to navigate to File ! Email as attachment, and your document will come through as a PDF.

Class Format

Philosophy is what I do for a living. I enjoy it. I can talk about it for hours and hours. If you want to hear me talk all semester, that's fine with me! But if you find that boring, then you're going to have to contribute a little bit. Philosophy is about making sense of how our beliefs _t in with the world, and also about trying on different ways of seeing the world. I don't really know how you understand the world unless you tell me. I don't know what you find plausible, what you find confusing, what you find outrageous, or plain wrong unless you speak up.

Here's a different way to put this. Some learning involves memorization. You will learn in this class, for example, that St. Anselm argues that the concept of God is sufficient to prove that God exists. You will learn that this argument is called the `ontological argument for the existence of God.' You will likely be asked to explain this argument on an exam. So, in order to study for the exam, you may write a ash card

to test yourself on these facts, hoping to memorize them. This kind of learning is important, but represents a small fraction of what we're up to in philosophy. You need to learn to think your way through Anselm's, as well as other philosophers' arguments. Doing this does not involve rote memorization, but careful attention to the kinds of concepts that shape our worldview. It's hard, but rewarding, work.

Reading is also crucial. Come to class having read the material. Much of what I talk about will make little sense without your reading it. I realize that reading philosophy can be problematic. Philosophers communicate in an extremely idiosyncratic way, and it takes some getting used to. But you won't get anything out of it if you don't put any e_ort into wrestling with the material yourself. Read slowly, for comprehension, and then come ready to express agreement, confusion, astonishment, etc.

Class Schedule

TBD

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology___Date___08/18/21_____

Course No. or Level_ENVR 250/POLI 250_Title_Introduction to Environmental Law

Semester hours___3____Clock hours: Lecture____3_____Laboratory_____

Prerequisites__none

Enrollment expectation____25_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description ____Dillon Tatum_____

Department Chairperson's/Dean's Signature__Vernon W. Bowers_____

Provost's Signature_____Peter King_____

Date of Implementation____Fall 2022_____

Date of School/Department approval___8/23/2021_____

Catalog description:

ENVR 250: Introduction to Environmental Law (3) (Prerequisite: 101 or 103) (Same as ENVR 250) This class introduces students to the major statutes and policies used to protect humans and the environment, including current challenges related to climate change. The class will additionally look at enforcement issues, the role of the market, and constitutional issues related to environmental regulation. Credit cannot be given for both POLI 250 and ENVR 250.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors, political science majors/minors
2. **What should the course do for the student?** The course will provide students an entry-level understanding of contemporary issues related to law, the environment, and policymaking.

Teaching method planned: Three hours of lecture each week. Lectures will be a mix of PowerPoint, classroom activities, and discussions.

Textbook and/or materials planned (including electronic/multimedia):
See attached syllabus.

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

POLI 250: Introduction to Environmental Law and Policy

Professor Dillon Tatum
Francis Marion University
Fall 2021
Meeting Time: T/TH
Location: TBD
Professor Office Hours: TBD
Or by appointment (Office #: FH134)
Professor Email: dtatum@fmarion.edu

Course Description: In this course, we will examine the major statutes and policies used to protect humans and the environment. The second half of the course will zoom in on the politics and legal/policy challenges related to climate change. The class will additionally look at enforcement issues, the role of the market, and constitutional issues related to environmental regulation.

Learning Objectives: Upon satisfactory completion of this course, students will be able to…

- Define key terms related to environmental politics and environmental law.
- Describe the historical trajectory of major political moments in environmental politics.
- Apply lessons from history to understand the successes and failures of contemporary environmental policies
- Write essays and exams that develop arguments based on a close reading of texts, history, and politics.

Class Meetings: The course meets T/TH. This course is presented as a *seminar course* with students leading the discussion each week. There will be very limited lecturing.

Requirements/Assignments: This course requires students complete a variety of assignments meant to evaluate a student's abilities as envisioned in the learning objectives. There are *FOUR* (4) sets of assignments in the course.

****Essays (2 x 200 points each)*** Students will be assigned two essays (due dates listed in the course schedule). Each essay should be ~1,500 words in length, and should respond directly to the prompts provided. Follow the guidelines found in the "Essay Guidelines and Rubric" file on Blackboard.

Leading Discussion (2 x 100 points each): Each student will sign up to lead the discussion for *two* class sessions during the semester. Depending on the size of class, this might require doubling up on days. Follow the guidelines found in the "Discussion Lead Guidelines and Rubrics" on Blackboard.

****Discussion participation/attendance (200 points)*:** Discussion participation—including proper preparation by doing the readings—is key to the effectiveness of the course. Come prepared every single class session. The instructor reserves the right to cold-call on students.

Student Presentations (200 points): Students will each present on an environmental policy challenge of their choice. These presentations will happen in *part IV* of the course, and should follow the guidelines provided on Blackboard.

Grading: Grades for this course are non-negotiable—the professor *records* grades, he does not *assign* them. However, the professor is always happy to help you understand how to perform at your best. Please visit the professor in office hours if you need feedback or help. This course is not graded on a curve; you will receive the grade you earn.

The grading breakdown is as follows:	
Grading Scale	
900-1000 points	A
870-899 points	B+
800-869 points	B
770-799 points	C+
700-769 points	C
670-699 points	D+
600-669 points	D
< 600 points	F

Reading: All course readings are listed on the syllabus. There are three assigned books that students will have to acquire (these are available at the bookstore or online from Amazon):

*Salzman and Thompson, *Environmental Law and Policy,* 5th edition.
[S&T in course schedule]

*Rosenbaum, *Environmental Politics and Policy* 11th edition.
[Rosenbaum in course schedule]

*Dessler and Parson, *The Science and Politics of Global Climate Change,* 3rd edition.
[D&P in course schedule].

*[Occasional short readings will be provided on Blackboard. TBD]

IMPORTANT: The readings should be completed before the designated sessions that they correspond to. This is a reading heavy course, and relies on a close reading of sometimes difficult texts. This course is not for the faint of heart! I will assume that students who show up to session two have agreed to the reasonableness of the reading. No complaining will be tolerated!

Academic Integrity: If it is found that a student has violated the university's standards of academic integrity, the instructor reserves the right to fail that student's assignment and to report serious violations to the university in compliance with institutional policy. Be honest in all of your work, and give proper credit and citation where it is due.

Extensions and Late Assignments: There will be no extensions given, or late assignments accepted, except in exceptional circumstances (as determined by the professor).

Contacting the Professor: The professor is available to students via email, as well as during scheduled office hours. Email is most appropriate for small issues and clarifications. However, any other issues (including questions about grades) should be addressed in office hours. Studies show that students who come to office hours, on average, perform better in class than those who do not. If my

office hours do not work with your schedule, please contact me so we can arrange an alternate time, or swing by and feel free to chat whenever my door is open. Allow 24 hours for a response to email. Do not expect speedy responses over the weekend.

Disability: Students with disabilities should register with university's Office of Counseling and Testing, and inform the professor within the first two weeks of the term of any special accommodations required. The university, and the faculty, are dedicated to making this course a level playing field for all students.

Electronic Devices, Food, and Tardiness: Laptop computers are allowed in the classroom for the purposes of note-taking only. Any disruptive activity involving personal electronics may result in the professor asking you to leave. Cell phones, MP3 players, and other small electronics should be turned off, or put on silent, before entering the classroom.

Tardiness is a major distraction to your fellow classmates and your instructor. Please arrive on time to the class. If you arrive late, you will not get credit for attendance; however, I do not lock the door, so you can still sit in on the lecture and participate in the discussion.

Civility: Students must be civil in the classroom and abide by the standards of civility laid out in the student handbook. I do not expect you to agree with your colleagues or the professor all the time, but I do expect disagreement to be respectful and constructive. Hate speech, derogatory language, or other hostile/intimidating language could result in being dropped from the course.

The Syllabus: Consider the syllabus the SINGLE most important course resource. Be sure to read through it thoroughly and always have it ready for reference. Missing an assignment or a reading because you misread/did not read the syllabus is no excuse.

Course Schedule

Date	Topic	Readings/Assignments
8/24	Introduction/Syllabus	*Read the syllabus closely.
8/26	A Brief History of Environmental Protection	*S&T, ch. 1. *Rosenbaum, ch. 1.
	PART I: MAKING POLICY	
8/31	Policymaking Processes	*Rosenbaum, ch. 2.
9/2	Policymaking and Institutions	*Rosenbaum, ch. 3.
9/7	Risk Assessment and Policymaking	*Rosenbaum, ch. 4.
9/9	Costs and Benefits	*Rosenbaum, ch. 5
9/14	Law and Policy	*S&T, ch. 2.
9/16	Regulatory Practice	*S&T, ch. 3.
9/21	Enforcing Law, Regulation, and Policy	*S&T, ch. 4.
	PART II: POLLUTION and RESOURCES	
9/23	Air Pollution	*S&T, chs. 5-6. *Rosenbaum, ch. 6.
9/28	Water Pollution	*S&T, ch. 7. *Rosenbaum, ch. 6 (review).

9/30	Toxic and Hazardous Substances	*S&T, ch. 8. Rosenbaum, ch. 7.
10/5	Endangered Species, Wetlands, and Forests	*S&T, ch. 10 *Rosenbaum, ch. 9.
10/7	Energy Policy/Politics	*S&T, ch. 11. *Rosenbaum, ch. 8.
10/12	*NO CLASS: Fall Break*	
10/14	Waste Management	*S&T, ch. 9
	PART III: CLIMATE CHANGE	
10/19	Climate Change as Environmental Problem	D&P, ch. 1 ***MIDTERM PAPER DUE***
10/21	Science and Politics	D&P, ch. 2
10/26	What We Know about the Human Causes of Climate Change, part I	D&P, ch. 3 (first half).
10/28	What We Know about the Human Causes of Climate Change, part II	D&P, ch. 4 (second half).
11/2	Policy Solutions: Adaptation	D&P, pp. 113-120.
11/4	Policy Solutions: Mitigation	D&P, pp. 121-152.
11/9	Policy Solutions: Climate Engineering	D&P, pp. 153-174.

11/11	Living (and Dying) in the Anthropocene?	*Scranton, *Learning to Die in the Anthropocene* (selections). *Haraway, *Staying with the Trouble* (selections).
PART IV: STUDENT PRESENTATIONS		
11/16	Presentations	*No readings.
11/18	Presentations	*No readings.
11/23	Presentations	*No readings.
11/25	*NO CLASS: Thanksgiving*	
11/30	Presentations	*No readings.
12/2	Conclusion: What Did We Learn?	*No readings.
EXAMS		***FINAL PAPER DUE***

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology Date___8/20/21_____

Course No. or Level_ENVR 351_____Title_____U.S. Environmental Policy and Politics_____

Semester hours___3____Clock hours: Lecture____3_____Laboratory_____

Prerequisites__none

Enrollment expectation____25_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description_____David White_____

Department Chairperson's/Dean's Signature_____

Provost's Signature_____

Date of Implementation____Spring 2023_____

Date of School/Department approval___8/23/2021_____

Catalog description:

ENVR 351: U.S. Environmental Policy and Politics (3) (Prerequisite: 101 or 103) (Same as POLI 351) Examines the governmental institutions (federal, state, and local), the non-governmental actors and organizations, and the governmental and political processes that interact to shape and create environmental public policy in the United States. Credit cannot be given for both ENVR 351 and POLI 351.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors, political science majors
2. **What should the course do for the student?** Introduce students to environmental issues facing the United States public and government.

Teaching method planned: Three hours of lecture each week. Lectures will be in a traditional format (chalkboard and chalk, or whiteboard and marker) combined with relevant governmental, non-governmental, and environmental websites projected on a screen during class.

Textbook and/or materials planned (including electronic/multimedia):

***Environmental Policy: New Directions for the Twenty-First Century*, 11th Edition by Norman J. Vig, Michael E. Kraft, and Barry G. Rabe, SAGE (2022).**

***The Environmental Case: Translating Values into Policy* by Judith A. Layzer and Sara R. Rinfret, SAGE (2020).**

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

Political Science 351: U.S. Environmental Politics & Policy
11:30--11:20 MWF
Fall 2021 (Hypothetically)

When: MWF 9:30 – 10:20 a.m.
Where: FH 140A
Instructor: Dr. David White
Office: Founders Hall 129
Office Hours: MTWTh 2:00 – 3:00 p.m.
By appointment or whenever my office door is open, which is often.
Phone #: (843) 661-1614
Email: dwhite@fmarion.edu

COURSE STRUCTURE AND OBJECTIVES: Using a variety of past and present case studies, Political Science 351 examines the governmental institutions (federal, state, and local), the nongovernmental actors and organizations, and the governmental and political processes that interact to shape and create environmental public policy in the United States. Upon completing this course students will be familiar with a variety of environmental issues facing the U.S., the different actors and stakeholders involved in addressing these concerns, and potential public policy solutions.

TEXTBOOK: There are two required textbooks for this course. The first is Environmental Policy: New Directions for the Twenty-First Century, 11th Edition by Norman J. Vig, Michael E. Kraft, and Barry G. Rabe, and published by SAGE (2022). The second book, also published by SAGE (2020), is The Environmental Case: Translating Values into Policy by Judith A. Layzer and Sara R. Rinfret. They are available in paper or ebook format. If you prefer not to purchase them, you can rent them from the Patriot Bookstore.

READINGS: The order of textbook reading assignments is listed in the course outline beginning on page 3 of this syllabus. Assignments should be read by the Monday of the week listed.

I also post numerous newspaper and magazine articles for you to read on Blackboard. They should be read after I assign them in class or notify you via email.

Finally, students are strongly encouraged to follow national and international news so that we can discuss relevant current political/environmental issues in class. I suggest reading articles focusing on government and/or politics in any one of the following: The New York Times, The Washington Post, The Wall Street Journal, USA Today, or The Charleston Post & Courier. All are available online with a limited number of free articles each month.

ATTENDANCE: According to the FMU Catalog 2021-2022:

> It is the responsibility of the student to attend all scheduled meetings in the courses in which he/she is enrolled. If a student is absent more than twice the number of required class or laboratory sessions per week during regular semesters . . . . a grade of F or W will normally be assigned, unless absences have been excused for cause by the instructor (p.51).

In other words, after you miss 7 classes you will be dropped from this class. This does not mean that you can miss 6 classes because you want to sleep in late, 6 classes because of bad traffic, 6

classes because you really got sick, and another 6 classes because your Great Great Aunt Minnie passed away. What you get is 6 absences, TOTAL, for this class. On the other hand, if you desire to drop this class, please bring me the appropriate drop/add form to sign.

I will create a seating chart during the first week of class so that I can take attendance at the beginning of each class. Late arrivals should not aggravate their situation by asking to have their late attendance noted. If you are consistently late (more than once), then your late arrivals will be counted as absences. If you need to leave class early, please notify me before class.

With the exception of laptops and tablets that are being used to take class notes, all electronic equipment should be out of sight--yours and mine--by the time I begin teaching in the classroom. Chewing tobacco, vaping, and smoking are prohibited. Light snacking or drinking during class is fine. Eating a meal is not.

CLASS DISCUSSION: I enjoy class discussion immensely and try to incorporate it into my courses. However, class discussion requires one essential element: class participation. Consequently during class I expect you to make points, offer opinions or ask questions relevant to topics being discussed, preferably in a courteous manner. I will create some opportunities for class discussion on BB and will take note of those students who participate regularly and/or make good, logical arguments in the discussion threads.

EXAMS: Three exams are scheduled during the semester, each worth 20% of your final grade.) Exams may consist of any combination of: multiple choice questions; fill-in-the blank; short answer questions; and longer answer questions. Feel free to contact me to discuss either the exam or your grade during the week after the exam is returned. Do not wait until the end of the semester to bring your questions, concerns and/or complaints to my attention.

MAKE-UP EXAMS: These are for students who miss a classroom exam only. All make-up exams will be given on Wednesday, December 1 at 2:30 p.m. in a room to be determined. All material covered during class or in the textbook is considered appropriate material for a make-up exam.

QUIZZES AND DISCUSSION BOARDS: As an incentive to complete the assigned readings on time, your knowledge of their contents will be determined either through a quiz or a discussion forum on Blackboard. Each of these is worth 10 points, for a total of 100 points, as the lowest grade will be dropped. This grade is worth 20% of your final grade. There are no make-up quizzes or discussion boards, unless you inform me two days before the anticipated quiz AND you take the quiz before I return them to the class. Quiz questions will be a combination of multiple choice, fill-in-the-blank, and short answer.

MEMORANDUM: A research memo that you write is worth 20% of your final grade. Handouts explaining and detailing the assignment are forthcoming. In short, you will write about a contemporary environmental policy issue at the local, state, or national level, and make a recommendation to someone – the president, a Cabinet secretary, the governor, the head of an environmental organization – arguing what you believe to be the best course of action. The memo will be based upon research, data, and logical reasoning, including environmental and political reasoning. The point of this assignment is to improve your ability to write a coherent, analytical argument. Your grade will be based upon the strength of the argument you make, not which argument you make. The memo is due by Monday, November 8 at 11:00 p.m. Those

plagiarizing any parts of their memo will earn a grade of zero and be reported to the Provost's office.

GRADES: Your final grade for the course is calculated based upon the weighted average of your exams and homework. To earn an "A" your average must be 90 or above; an average between 85 and 89.9 earns a "B+"; an average between 80 and 84.9 earns a "B"; 75 to 79.9 a "C+"; 70 to 74.9 a "C"; 65 to 69.9 a "D+"; 60 to 64.9 a "D"; below 60 an "F". Perfect class attendance and meaningful participation in class discussion may benefit you if you have a borderline grade at the end of the semester.

ETHICS: Breaches in scholastic ethics, such as cheating on an exam, are dealt with severely. Students caught cheating will receive a grade of zero on that exam and be referred to the Office of the Provost.

COURSE OUTLINE and IMPORTANT DATES

August 25 – 27
Introduction, Expectations, Current Environmental Issues Facing the U.S.

August 30 – September 3
VK&R Ch. #1 – US Environmental Policy: A Half-Century Assessment
L&R Chapter #1 – A Policymaking Framework: Defining Problems and Portraying Solutions in U.S. Environmental Politics

September 6 – 10
Monday, September 6 – NO CLASS, Labor Day
VK&R Ch. #2 –Racing to the Top, the Bottom, or the Middle of the Pack? The Evolving State Government Role in Environmental Protection
VK&R Ch. #7 – The Environmental Protection Agency
L&R Chapter #2 – The Nation Tackles Air and Water Pollution: The Environmental Protection Agency and the Clean Air and Clean Water Acts

September 13 – 17
MONDAY, SEPTEMBER 13 – MEMO TOPICS DUE
VK&R Ch. #3 – Politics, Prices, and Proof: American Public Opinion on Environmental Policy
L&R Chapter #3 – Love Canal: Hazardous Waste and the Politics of Fear

September 20 – 24
VK&R Ch. #4 – Presidential Powers and Environmental Policy
L&R Chapter #4 – Ecosystem-Based Management of the Chesapeake Bay
FRIDAY, SEPTEMBER 24 – EXAM #1 (worth 20% of final grade)

September 27 – October 1
VK&R Ch. #5 – Environmental Policy in Congress
L&R Chapter #5 – Market-Based Solutions: Acid Rain and the Clean Air Act Amendments of 1990

October 4 – 8

VK&R Ch. #6 – Environmental Policy in the Courts
VK&R Ch. #9 – Natural Resource Policies in an Era of Polarized Politics

October 11 – 15
Monday, October 11 – NO CLASS, Fall Break
L&R Chapter #7 – Federal Grazing Policy: Some Things Never Change
L&R Chapter #8 – Jobs Versus the Environment: Saving the Northern Spotted Owl

October 18 – 22
VK&R Ch. #8 – Energy Policy
L&R Chapter #6 – Oil Versus Wilderness in the Arctic National Wildlife Refuge
L&R Chapter #14 – Fracking Wars: Local and State Responses to Unconventional Shale Gas Development

October 25 – 29
L&R Chapter #9 – Playground or Paradise? Snowmobiles in Yellowstone National Park
FRIDAY, OCTOBER 29 – EXAM #2 (worth 20% of final grade)

November 1 – 5
VK&R Ch. #10 – Applying Market Principles to Environmental Policy
L&R Chapter #10 – Crisis and Recovery in the New England Fisheries

November 8 – 12
MONDAY, NOVEMBER 8 – MEMO DUE BY 11:00 PM (worth 20% of final grade)
VK&R Ch. #11 – Sustainability and Resilience in Cities: What Cities Are Doing

November 15 – 19
L&R Chapter #12 – Climate Change: The Crisis of our Time
L&R Chapter #13 – Cape Wind: If Not Here, Where? If not Now, When?

November 22 – 26
L&R Chapter #11 – The Deepwater Horizon Disaster: The High Cost of Offshore Oil
L&R Chapter # 16 – Post Katrina: Lessons From a Disaster
Wednesday, November 24 – NO CLASS, Thanksgiving Break
Friday, November 26 – NO CLASS, Thanksgiving Break

November 29 – December 3
Chapter #15 – Making Trade-Offs: Urban Sprawl and the Evolving System of Growth Management in Portland, Oregon
Wednesday, December 1 – MAKE-UP EXAM, 2:30 – 3:20 p.m.

December 6 – 10
Monday, December 6 – LAST DAY OF CLASS
Tuesday, December 7 – READING DAY; NO EXAMS
FRIDAY, DECEMBER 10, 11:45 AM – 1:00 PM – EXAM #3 (worth 20% of final grade)

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Biology **Date** 8/15/21

Course No. or Level ENVR 355 / POLI 355 **Title** Global Environmental Policy and Politics

Semester hours 3 **Clock hours: Lecture** 3 **Laboratory** _____

Prerequisites none

Enrollment Expectation 25

Indicate any course for which this course is a (an)

Modification _____
(proposed change in course title, course description, course content or method of instruction)

Substitute _____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

Alternate _____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: Jennifer Titanski-Hooper

Department Chairperson's/Dean's Signature Vernon W. Bauer

Provost's Signature Peter King

Date of Implementation Spring 2023

Date of School/Department approval 8/23/2021

Catalog description:

ENVR 355: Global Environmental Policy and Politics (3) (3) (Prerequisite: Political Science 101 or 103 or Geography 101 or 102) (Same as Geography 355 and Political Science 355) Students examine how environmental processes interact with social, political, and economic processes and institutions around the world. This course traces the historical and theoretical perspectives that influence global environmental policy and management, explores how multiple identities (e.g. gender, culture, race, and nation) impact the experience of environmental politics, and applies these theoretical and experiential perspectives to contemporary environmental issues (e.g. climate change, resource use, energy policy, and agriculture). Credit cannot be given for both POLI 355 and GEOG 355 and ENVR 355.

Purpose: 1. **For Whom (generally?):** environmental science majors, environmental studies majors, political science majors, geography minors, non-majors

2. **What should the course do for the student?** This class examines environmental politics through issues, like conservation, resource use, climate change, and development. The class explores how the human and natural worlds are inextricably-linked to one another, and reveals the challenges and opportunities for achieving sustainable policies and practices. Students will become familiar with the traditions and perspectives of human-environment politics, develop and utilize critical reading, thinking, and writing skills, and become more engaged global citizens.

Teaching method planned: Three hours of lecture each week. Lectures will be a mix of PowerPoint, student led discussions, and analysis of critical readings.

Textbook and/or materials planned (including electronic/multimedia):
There are no required texts for this course. Instead, required readings will be posted on Blackboard each week.

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details

When completed, forward to the Office of the Provost.

DEPARTMENT OF POLITICAL SCIENCE AND GEOGRAPHY
FRANCIS MARION UNIVERSITY
POLI 355/GEOG 355: GLOBAL ENVIRONMENTAL POLICY AND POLITICS
FALL 2021

INSTRUCTOR	OFFICE HOURS	CLASS TIME
Dr. Jennifer Titanski-Hooper 136 Founders Hall JTitanskiHooper@fmarion.edu	MWF 10:30-11:30 T TH 11:30-1:30 *(please put "Geog300" in your subject line)*	T Th 8:30am - 9:45am LSF L205

Required Textbook	There are no required texts for this course. Instead, **required readings will be posted on Blackboard** each week.

Course Description	Students examine how environmental processes interact with our social, political, and economic lives. This course traces the historical and theoretical perspectives that influence environmental policy and management, explores how multiple how multiple identities (e.g. gender, culture, race, and nation) impact environmental politics, and applies these theoretical and experiential perspectives to contemporary environmental issues (e.g. climate change, resource use, energy policy, and agriculture).
Learning Objectives	This class uses the geographic tools of **space, time, and scale** to examine environmental politics through issues, like conservation, resource use, climate change, and development. A geographic lens exposes how the human and natural worlds are inextricably-linked to one another, and reveals the challenges and opportunities for achieving sustainable policies and practices. By taking this class, students will: **(1)** become familiar with the traditions and perspectives of human-environment geography and politics, **(2)** develop and utilize critical reading, thinking, and writing skills, and **(3)** become more engaged global citizens.

	Assessment	Points
Grading	Attendance/Participation	50
	Quizzes	120
	Daily Discussion Questions	240
	Discussion Lead	100
	Final Reflection	50
	Total Points	*560*

	Percentage	Letter
Grading Scale	90-100	A
	86-89	B+
	80-85	B
	76-79	C+
	70-75	C
	66-69	D+
	60-65	D
	0-59	F

Please note that the FMU grading system states that an A grade indicates 'an achievement of distinction' (http://catalogs.fmarion.edu/Cat0405/acad/acad7.htm). Thus, do not expect an A for effort; to earn an A, you will need to go above and beyond rather than just doing the standard or normal.

Blackboard	• Course materials and announcements will be posted on Blackboard. • A working knowledge of Blackboard is critical for success in this course. • Make sure to check Blackboard and your email frequently
Lectures & Discussions	• This class will include lectures and portions or all of some class time will be dedicated to discussion. • PowerPoint slides are used during class as an instructional aid. They are NOT a substitute for taking notes during class. I **do not** put all of the information you will need on the slides. • All material discussed in class is considered material for quizzes. • Lectures will be posted to Blackboard the night before class.
Films	• Films are intended to stimulate discussion and offer examples of information discussed in class. • Films will be included on quizzes, and will relate to some assignments.

COURSE ASSESSMENT DESCRIPTIONS

Attendance (25 pts) & Participation (25 pts)	• Attendance will be taken in class every day. • You are permitted **3 unexcused absences**, then points are deducted for every unexcused absence. • To be excused, you must make every attempt to let the instructor know **in advance** if you will be missing a class. Excuses that are provided at the end of the semester for classes that were previously missed will not be honored. • Students will also be assessed on their **preparation and participation**. Failure to contribute to discussion and/or in-class writing activities will result in a reduced grade. ***Please note that FMU also has an attendance policy. Per FMU's policy, students will be allowed to miss a maximum of 4 (four) classes before being dropped from this class.*** **Definition of Attendance**: Arriving on time and staying in class for the entire duration of the class. Students who arrive late or leave early will not receive points for that day. **Definition of Participation:** Coming to class prepared to discuss new material. Asking and answering questions, and actively participating in discussions.
Daily Discussion Questions (240 pts/10 each)	• Students should come to every scheduled class lecture with a short list of potential discussion questions and/or comments for the day's reading. • There are 25 lectures, but you are only responsible for submitting 24 sets of questions. • Questions will be submitted at the beginning of class, and will be used as the basis for course discussions.
Quizzes 120 pts/40 each	• There will be **3 quizzes** throughout the semester. Each quiz is worth **40 points**. • The quiz format may contain multiple-choice, short answer, or essay questions. • Make-up quizzes will only be given to those students who can provide a legitimate reason for missing the quiz. • All possible attempts should be made to complete the quiz on time, or to let the instructor know **in advance** if you have a conflict with a scheduled quiz.
Discussion Lead 100 pts	• Towards the end of the semester, each student will have the opportunity to lead the class in a discussion/lecture. • Students will assign readings well in advance of the class discussion. • Students will lead the class in an overview of the key terms and ideas, and will offer the class opportunities to engage in discussion or analysis of issues related to the topic at hand. • Details on discussion leads can be found on Blackboard.

Final Reflective Essay (50 pts)	• Each student will write a final essay (3 pages) that reflects on the student's topic for the discussion lead, the readings they assigned, and their overall experience in leading the course. • The essay will be due in finals week. • Details can be found on blackboard.
CLASS POLICIES	
Etiquette	It is important that we all work together to create a supportive and engaging classroom environment. Disruptive behaviors will not be tolerated, and the instructor reserves the right to ask a student to leave class in these circumstances. Refer to your FMU student handbook for information about adhering to the university's honor code.
Technology	**Please turn off your cellphones or set them on silent mode when you come to class**; it is rude for our activities to be interrupted by a ringing cellphone. Similarly, text messaging will not be tolerated in class; any student found to be sending or checking text messages during class will be invited to make a choice either to cease the texting or leave the classroom. **You are welcome to use your laptop or tablet for notetaking during class**, but the instructor reserves the right to ask you to put your device away if it becomes apparent that your attention is divided, or you are using your technology to engage in social networking, check email, or otherwise perform non-class-related activities during class.
Communication	Open communication is incredibly important to the success of this course. As the instructor, I will do my best to respond to your concerns and answer any questions you have in a timely manner. It is my course policy to respond to emails **within 48 hours** of receiving them. Please keep this in mind, as you are waiting for a response. In addition to the office hours listed on this syllabus, I am happy to schedule alternate meeting times, or talk with you via Skype, so do not hesitate to ask for help. In addition to announcements in class, important course news will be posted as announcements on Blackboard, as well as sent through email. It is vital that **you check your FMU email regularly**, or have it forwarded to your personal email in order to avoid missing important news.
Academic Integrity	All students are required to follow Francis Marion University's policies regarding cheating and plagiarism. The requirements for academic integrity are discussed at length in the 2019-2020 Student Handbook. Any act of plagiarism or academic dishonesty will result in a grade of zero for the assignment in question. Especially egregious occurrences will result in a grade of zero for the entire class. All plagiarists and cheaters will be referred to the Provost for additional disciplinary action As such, it is important that you engage in scholarly activity in an open, honest, and responsible manner. Always use your own words and ideas, and cite your work appropriately! **POSTING COURSE MATERIALS:** In this class, academic integrity also extends to posting course materials, videos of lecture, exam questions, or student work online in any capacity. No materials from your peers or from the professor should be posted to any social media or other online platform without the express permission of the student or instructor.
Accommodations	FMU is committed to student success for all students. The Office of Counseling and Testing provides support for students with learning, medical, physical, and/or psychological disabilities. Please visit their website for information on services offered or scheduling an appointment (http://www.fmarion.edu/counselingandtesting/). In order to receive consideration for reasonable accommodations, you must contact the Office of Counseling and Testing. Upon receiving documentation for your accommodation, please share it with your instructors and discuss the accommodations with them as early in your courses as possible.

Week	Date	Topic	Reading	Assignment
Part I: Defining Nature and the Environment				
1	8/24	-Course Introduction	Syllabus	
	8/26	What is Nature?	-*Nature* in Dict. Of Human Geog., -Eagan 2011 -Lipsky 2011 -Stroll 2010 -Simmonds 2018	**-Daily Discussion Questions Due**
2	8/31	Geography and the Roots of Political Ecology	-Robbins, 2004 (1&2)	**-Daily Discussion Questions Due**
	9/02	Searching for the Wild and Wilderness	-Cronon, 1995 -Waller, 1998	**-Daily Discussion Questions Due**
3	9/07	Conservation	-Muir, Ch. 1	**-Daily Discussion Questions Due**
	9/09	Social Construction of Nature	-Robbins, Hintz & Moore, 2010 (8) -Goldman, Nadasdy, & Turner, 2011 (7)	**-Daily Discussion Questions Due**
4	9/14	Environmental Challenges of Demographic Change	-Rockstrom, et. al, 2009 -Pearce, 2018	**-Daily Discussion Questions Due**
	9/16	Climate Science: Is there a Debate?	-Explore the NASA climate change and IPCC websites	**-Daily Discussion Questions Due**
5	9/21	"Before the Flood"—Film		
	9/23	Finish "Before the Flood"		**-Quiz #1 due by Sunday at 11:59pm** **-Daily Discussion Questions Due**
Part II: Experiencing Nature				
6	9/28	Culture, Place, & Nature	-Anderson, 2010	**-Daily Discussion Questions Due**
	9/30	Privilege, Power, and the Environment	-Pulido, 2000	**-Daily Discussion Questions Due**
7	10/05	Gender and the Environment	-Domosh & Seager, 2001 -Nightengale, 2006	**-Daily Discussion Questions Due**
	10/07	Governing the Environment	-Scott Intro. & Ch. 1	**-Daily Discussion Questions Due** **-Quiz #2 due by Sunday at 11:59pm**
8	10/12	Fall Break—No Class		
	10/14	Economics and the Environment	-Coe, Kelly, & Yeung, 2008 (6)	**-Daily Discussion Questions Due** **-Submit readings for your classmates by Sunday at 11:59pm**
9	10/19	Environmental Geopolitics	-Le Billon, 2004	**-Daily Discussion Questions Due**
	10/21	Away for Conference—No Class		
10	10/26	Environmental Justice I	-Rawls, 1971	**-Daily Discussion Questions Due**
	10/28	Environmental Justice II	-Bullard, 2005	**-Daily Discussion Questions Due**

				-Quiz #2 due by Sunday at 11:59pm
11	11/02	Environment and Health	-Rubin, et. all, 2016	-Daily Discussion Questions Due
Part III: Critical Issues in Human-Environmental Relations				
	11/04	Land Use and Land Management	-TBA	-Daily Discussion Questions Due -Student Discussion Lead
12	11/09	Food and Agriculture	-TBA	-Daily Discussion Questions Due -Student Discussion Lead
	11/11	Conservation and Wildlife Management	-TBA	-Daily Discussion Questions Due -Student Discussion Lead
13	11/16	Energy Policy and Sustainability	-TBA	-Daily Discussion Questions Due -Student Discussion Lead
	11/18	Resource Extraction	-TBA	-Daily Discussion Questions Due -Student Discussion Lead
14	11/23	Fire Management and Adaptation	-TBA	-Daily Discussion Questions Due -Student Discussion Lead
	11/25	Thanksgiving Break—**No Class**		
15	11/30	Flood Management and Storm Preparation	-TBA	-Daily Discussion Questions Due -Student Discussion Lead
	12/01	-Urban Environments	-TBA	-Daily Discussion Questions Due -Student Discussion Lead
16	FINALS	Reading Day—**No Class**		
	TBA	Final Meeting Time—**TBA** Attendance is Mandatory		-Quiz #3 due by Friday 4/30 at 11:59pm Final Reflective Essay due by Friday at 11:59pm

*** The Instructor reserves the right to modify this syllabus as appropriate throughout the semester***

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology_____Date___7/28/21_____

Course No. or Level_ENVR 497_____Title_____Special Studies_____

Semester hours___1-3____Clock hours: Lecture_____Laboratory___1-3_____

Prerequisites__none

Enrollment expectation____1_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description_____Jeff Steinmetz_____

Department Chairperson's/Dean's Signature_____

Provost's Signature_____

Date of Implementation_____August 2022_____

Date of School/Department approval_____8/19/21_____

Catalog description:

ENVR 497 Special Studies. (3), (2), or (1) (Prerequisite: ENVR 101 and permission of the department) F, S, SU. Open only to juniors or seniors with a grade point average of 2.5 or higher in their major courses. A maximum of 3 semester hours may be earned. Academic Committee approval required for each seminar and practicum. All individual research projects are reviewed by three faculty members from two different disciplines. May be taken for credit (3 hours) towards the Honors degree by special arrangement.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors
2. **What should the course do for the student?** Give students the opportunity to conduct independent scholarship and research on a particular environmental topic.

Teaching method planned: : Will vary with particular course and topic, but will include independent scholarship

Textbook and/or materials planned (including electronic/multimedia): Will typically be peer-reviewed journal articles relevant to the particular topic chosen by the student.

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

ENVR 497: Environmental Science and Studies Special Studies

Instructor: Dr. Jeff Steinmetz
Office: 201A MSB
Office Hours: 12-1 after class, anytime my door is open; and by appointment
e-mail: jsteinmetz@fmarion.edu
Phone: 843-661-1404

Texts: None.

Course Info: Time, location and hours arranged in consultation with faculty mentor.

Requirements:	Participation	30%	**Grading Scale:**	A=90
	Final Report:	70%		B+=87
				B=80
				C+=77
				C=70
				etc.

Course description: Gives credit for students working on independent scholarship projects. Open only to juniors or seniors with a grade point average of 2.5 or higher in their major courses. A maximum of 3 semester hours may be earned. Academic Committee approval required for each seminar and practicum. All individual research projects are reviewed by three faculty members from two different disciplines. May be taken for credit (3 hours) towards the Honors degree by special arrangement.

Student Learning Objectives:

- Gain in-depth knowledge of a particular topic through independent scholarship under the direction of a faculty mentor.

Student Learning Outcomes

- Produce a unique piece of scholarship (report, paper, presentation or research project)

Attendance Policy:

- Worked out with their faculty mentor

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology_____Date___7/28/21_____

Course No. or Level ENVR 498_____Title_____Environmental Science & Studies Internship_____

Semester hours___1-2____Clock hours: Lecture_____Laboratory___3-6_____

Prerequisites__none

Enrollment expectation____1_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description_____Jeff Steinmetz_____

Department Chairperson's/Dean's Signature_____

Provost's Signature_____

Date of Implementation_____August 2022_____

Date of School/Department approval_____8/19/21_____

Catalog description:

ENVR 498 Environmental Science & Studies Internship (1) or (2) (Prerequisite: ENVR 101 and permission of the department) Independent work under the direction of a professional biologist which may include teaching, research, or other service. A maximum of 3 semester hours may be earned. Earned hours do not fulfill the requirements of environmental science or environmental studies for their respective majors, minors or collaterals.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors
2. **What should the course do for the student?** Give students the opportunity to get academic credit for internships.

Teaching method planned: : Will vary with particular course and topic and internship sponsor, but will involve getting practical, real work experience in their chosen field.

Textbook and/or materials planned (including electronic/multimedia): None planned, will vary with internship sponsor.

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

ENVR 498: Environmental Science and Studies Internship

Instructor: Dr. Jeff Steinmetz
Office: 201A MSB
Office Hours: 12-1 after class, anytime my door is open; and by appointment
e-mail: jsteinmetz@fmarion.edu
Phone: 843-661-1404

Texts: None.

Course Info: Time, location and hours arranged in consultation with internship provider.

Requirements:	Journal:	20%	**Grading Scale:**	A=90
	Employer Review:	70%		B+=87
	Final Reflection:	10%		B=80
				C+=77
				C=70
				etc.

Course description: This class is intended to give students' academic credit for *unpaid* internships (students cannot receive both payment and credit for the same internship). Credit hours given will vary with amount of hours students are employed in the internship. Exact responsibilities will be worked out between the faculty sponsor, the student and the internship provider prior to starting the internship. Each internship should involve independent work under the direction of an environmental professional.

Student Learning Objectives:

- Gain real world, practical experience in their chosen field

Student Learning Outcomes

- Obtain real-world skills students can use later in their career
- Increase the student's marketability to jobs and/or professional schools due to their practical experience in their field

Attendance Policy:

- Worked out with their internship advisor, but students are expected to be on time and professional

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology_____Date___7/28/21_____

Course No. or Level_ENVR 499_____Title_____Environmental Science & Studies Senior Seminar

Semester hours___1-2____Clock hours: Lecture_____Laboratory___3-6_____

Prerequisites__none

Enrollment expectation____10_____

Indicate any course for which this course is a (an)

modification____Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description_____Jeff Steinmetz_____

Department Chairperson's/Dean's Signature Vernon W. Bauer

Provost's Signature Peter King

Date of Implementation_____January 2024_____

Date of School/Department approval_____8/19/21_____

Catalog description:

ENVR 499: Environmental Science & Studies Capstone Seminar (1) (Prerequisite:ENVR 101 and junior standing) Capstone class for Environmental Science and Studies majors. Topics will include review of major issues in the field, as well as career / graduate program preparation, including resumes, job interviews, graduate school applications, etc.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors
2. **What should the course do for the student?** Provides a review of what's been learned for their degree, as well as provides practical skills for moving beyond college. These skills include job interviewing skills, resume/C.C. writing, graduate/professional school applications, cover letters, etc.

Teaching method planned: : 1 hour of lecture per week. Will include a mix of lectures, discussions, workshops, and hands-on activities.

Textbook and/or materials planned (including electronic/multimedia): No textbooks, will use a variety of handouts.

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

ENVR 499: Environmental Science and Studies Senior Seminar

Instructor: Dr. Jeff Steinmetz
Office: 201A MSB
Office Hours: Wed 12-2, after class, anytime my door is open; and by appointment
e-mail: jsteinmetz@fmarion.edu
Phone: 843-661-1404

Texts: None.

Course Info: Fridays, 12:30 p.m.

Requirements:			**Grading Scale:**	
	Participation	40%		A=90
	Resume:	20%		B+=87
	Mock Interview:	20%		B=80
	Cover Letter:	20%		C+=77
	Taking Exit Exam:	10%		C=70
				etc.

Course description: Capstone class for Environmental Science and Studies majors. Topics will include review of major issues in the field, as well as career / graduate program preparation, including resumes, job interviews, graduate school applications, etc.

Student Learning Objectives:

- Learn how to apply for jobs and professional programs
- Understand career and professional school options
- Review material learned in the program

Student Learning Outcomes

- Create a resume and/or C.V.
- Create a cover letter
- Complete a mock interview.
- Understand career and professional school options
- Complete the exit exam

Attendance Policy:

You are expected to attend class regularly and punctually. You are responsible for obtaining, completing, and submitting missed assignment. Note that the lecture and lab outlines are tentative. Should you miss class, check with myself or a fellow classmate to see if there were any changes announced on the day you missed.

Note that attendance counts towards the participation portion of your grade. For each day that you have an unexcused absence, you will lose 5 participation points (out of 100). For each day that you are late, you will lose 1-5 participation points depending on how late you are. If you choose to withdraw from the course, you are responsible for filing the paperwork with the registrar. If you need to miss legitimate reasons, it is your responsibility to provide documentation to avoid having an unexcused absence. For example, if you're sick, get an official doctor's excuse.

Participation:

Participation involves attendance, speaking during discussions, being on time, paying attention to ideas being discussed, contributing fully and equally to projects, etc.

Classroom Behavior:

You are expected to treat your fellow classmates with respect and civility. Failure to do so may result in dismissal from the course. Inappropriate behavior may result in anything from a reduced course grade to failing the class.

Academic Honesty and Plagiarism:

Every student is responsible for turning in his or her own unique assignments. Cheating and plagiarism will not be tolerated in the classroom. ***Depending upon the severity of the offense, you may receive an F for that assignment or an F for the entire course.*** You will also be reported to the appropriate university office. A second offense results in suspension for one semester and a third offense results in expulsion from the university. If you are not sure what constitutes cheating or plagiarism, ask me before completing the assignment. "I didn't know" is not an acceptable excuse.

Late Work:

- Assignments must be completed on the assigned day. Exceptions will only be made with proper documentation (e.g. doctor's excuse). Oversleeping or forgetting are not acceptable excuses.

Other Policies:

- NO CELL PHONES ARE ALLOWED IN CLASS. If you are caught using a cell phone, you will lose 3 participation points. If you are a parent or have a situation where your phone needs to be on, set it to vibrate and if you absolutely need to take the call step outside the classroom to do so.

Accommodations of Disabilities

I am happy to make accommodations for students with special needs; however, you first must provide proper documentation from the Office of Counseling and Testing. You must also notify me of your needs one week prior to an assignment/quiz/test/field trip/ etc. to allow time to arrange for the appropriate accommodations.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School_____Biology_____Date___7/28/21_____

Course No. or Level_BIOL 103_/ ENVR 101__Title_Introduction to Environmental Science_____

Semester hours__4__Clock hours: Lecture___3____Laboratory__3___

Prerequisites__none

Enrollment expectation____40_____

Indicate any course for which this course is a (an)

modification____Title change and updated course description
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description____Jeff Steinmetz_____

Department Chairperson's/Dean's Signature__Vernon W. Bauer_____

Provost's Signature_____Peter King_____

Date of Implementation_____August 2022_____

Date of School/Department approval____8/19/21_____

Catalog description: BIOL 103 Introduction to Environmental Science (4:3-3). (Same as ENVR 101; Does not count toward biology major.) F. A study of the needs of human beings for food, energy, and other natural resources and the effects of their actions on the air, water, soil, plants and other animals. The diversity of life, ecology and evolution will be included. Throughout the course the process of doing science is emphasized. Credit cannot be received for BIOL 103 and ENVR 101.

Purpose:

1. **For Whom (generally?):** nonmajors, environmental science majors, environmental studies majors. The name change reflects the fact that this will be a cross listed course with ENVR 101: Introduction to Environmental Science
2. **What should the course do for the student?** Introduce students to the basic principles of environmental science and develop an understanding of the scientific method.

Teaching method planned: : Three hours of lecture each week and three hours of lab each week. Lectures will be a mix of PowerPoint, classroom activities, and discussions. Lab will be a mix of hands-on laboratory exercise and computer simulations.

Textbook and/or materials planned (including electronic/multimedia):
Sherman, D.J. and D.R. Montgomery. 2020. Environmental Science and Sustainability. W.W. Norton Inc., New York, NY. ISBN 978-0-393-42210-8

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

BIOL 103: Introduction to Environmental Science

Instructor: Dr. Jeff Steinmetz
Office: 201E MSB
Office Hours: Tu 10:00-11:30; W 1-3; Th 10-11:30; and by appointment
e-mail: jsteinmetz@fmarion.edu
Phone: 843-661-1404

Texts:
Sherman, D.J. and D.R. Montgomery. 2020. Environmental Science and Sustainability. W.W. Norton Inc., New York, NY. ISBN 978-0-393-42210-8

Course Info: Lecture: M/W/F 8:30-9:20. This is a 4 credit course, so you MUST also be registered for an ESS 101 lab section. Lecture counts for 75% of your grade, lab counts for 25%.

Requirements:

Quizzes:	12%
Exam 1:	20%
Exam 2:	20%
Exam 3:	20%
Final Exam:	20%
Participation/Attendance	3%
Lab	25%
	100%

Note: Lowest score from 1st 3 exams is dropped

Grading Scale:

A	≥90
B+	≥87
B	≥80
C+	≥77
C	≥70
D+	≥67
D	≥60
F	≤59

Course description:

As the world population grows and our understanding of ecology expands, environmental issues are becoming an increasingly important part of the scientific, cultural and political landscapes. Whatever your chosen career path, you will undoubtedly hear about the environment in news media and political debates, and will very likely confront issues that touch you directly. To be able to follow these discussions and make informed decisions, it's crucial to have a basic understanding of how science works as well as the science, management and policy behind these stories. This class is designed to give you that knowledge.

Student Learning Objectives:

- Be able to describe the scientific method and use it to solve problems
- Understand basic ecological concepts such as limiting resources, exponential population growth, competition, and biogeochemical cycles
- Be able to understand and discuss major environmental issues such as genetically modified crops, overpopulation, water and air quality, global climate change, and energy issues
- Understand basic environmental law and policy
- Construct and interpret graphical data

Table 1: *Tentative* Schedule

Date	Topic	Assignment	Lab Topic
	Part I: Environmental and Scientific Foundations		
Jan 11	Intro to Course	None	None
Jan 13	Environmental History, Economics, Policy Basics	Chapter 1 & 2	
Jan 16	MLK Day - No Class		None
Jan 18	Environmental Policy / Scientific Method	Chapter 1 & 2	
Jan 19	Science Basics: Scientific Method, Chemistry, Energy	Chapter 1 & 3	
Jan 23	Evolution & Plant Taxonomy	Chapter 3; Quiz 1	Scientific Method
Jan 25	Plant Taxonomy / SC Plants	Handouts	
Jan 27	SC Plants / Animals	Handouts	
Jan 30	SC Animals	continued; Quiz 2	Plant Bio / Transpiration
Feb 1	Review		
Feb 3	**EXAM 1**		
Feb 6	Populations and Niches	Chapter 4	Plant Bio / Photosynthesis
Feb 8	Niches / Species Interactions	Chapter 4	
Feb 10	Species Interaction/ Succession	Chapter 4	
Feb 13	Biomes	Chapter 4	Sampling: Mark-Recapture
Feb 15	Biomes: Film		
	Part II: Scientific Applications		
Feb 17	Demography and Human Populations	Chapter 6, Quiz 3	
Feb 20	Populations / Toxicology	Chapter 6 and 17	Population: Survivorship Curves
Feb 22	Toxicology and Human Health	Chapter 17	
Feb 24	Freshwater and Marine Conservation	Chapter 7	
Feb 27	Freshwater and Marine Conservation	Chapter 7	Overfishing
Feb 29	Marine Conservation / Film	Chapter 7, Quiz 4	
Mar 2	Review		
Mar 5	**EXAM 2**		Water
Mar 7	Atmosphere and Air Pollution	Chapter 8	
Mar 9	Air Pollution / Global Climate Change	Chapter 8 and 11	
Mar 12-16	Spring Break		
Mar 19	Global Climate Change	Chapter 11	Climate Change / Footprints
Mar 21	Nonrenewable Energy	Chapter 13, Quiz 5	
Mar 23	Nonrenewable / Renewable Energy	Chapter 13 and 14	
Mar 26	Renewable Energy	Chapter 14	Testing for GMOs
Mar 28	Agriculture and GMOs	Chapter 12	
Mar 30	Agriculture and GMOs	Chapter 12	
April 2	Review		Animal Diversity
April 4	**EXAM 3**		
April 6	Agriculture and GMOs - Film		
April 9	Biodiversity and Conservation Biology	Chapter 5	Plant Diversity
April 11	Biodiversity and Conservation Biology	Chatper 5, Quiz 6	
April 13	Biodiverisity: Film		
April 16	Sustainability: Land Use and Resource Management	Chpater 9	Species Richness
April 18	Sustainability: Waste Management	Chapter 15	
April 20	Sustainability: Urbanization	Chapter 16	
April 23	Catch-up / Review for Final	Quiz 7	

FINAL: WED, APRIL 25TH, 8:30 A.M.

Attendance and Participation Policy:

You are expected to attend class regularly and punctually. Students that attend regularly routinely do better in the course than those that do not. You are responsible for obtaining, completing, and submitting missed assignment. Note that the lecture outline is tentative. Should you miss class, check with myself or a fellow classmate to see if there were any changes announced on the day you missed.

Note that attendance counts towards the participation portion of your grade. I will not take attendance everyday, but I will spot-check for attendance randomly throughout the semester. For each day that you have an unexcused absence, you will lose 5 participation points (out of 100). According to FMU policy, ***more than six unexcused lecture absences, can result in dismissal from the course and a grade of an F or W.*** If you choose to withdraw from the course, you are responsible for filling the paperwork with the registrar. If you missed class for a legitimate reason, it is your responsibility to provide documentation to avoid having an unexcused absence. For example, if you're sick, get an official doctor's excuse.

Participation means attending class regularly, speaking during discussions, being on time, paying attention to ideas being discussed, and proper classroom behavior (see below).

Classroom Behavior:

In the class and lab, you are expected to treat your fellow classmates with respect and civility. **ASOLUTELY NO CELL PHONE / IPOD / ELECTRONIC DEVICE USE during class. You will lose five participation points (out of 100) for every time you're caught using one of these devices.** If you engage in disruptive behavior you will be asked to leave the class and be counted as absent for that day. Repeated offenses will result in your being dropped from the course.

If you are a parent or have a situation where your phone needs to be on, set it to vibrate and if you absolutely need to take the call step outside the classroom to do so.

Academic Honesty and Plagiarism:

Every student is responsible for turning in his or her own unique work. Cheating and plagiarism will not be tolerated in the classroom. ***Depending upon the severity of the offense, you may receive an F for that assignment or an F for the entire course.*** You will also be reported to the appropriate university office. A first offense typically results in an F on that assignment or and F in the course. A second offense results in a one semester suspension. A third offense results in expulsion from the university. If you are not sure what constitutes cheating or plagiarism, ask me before completing the assignment. "I didn't know" is NOT an acceptable excuse.

Quizzes:

Quizzes will consist of multiple choice questions done on Blackboard. There will be seven quizzes over the course of the semester (roughly one every two weeks). Quizzes are open notes/book, and are designed simply to help you keep up with the material and figure out what you do and do not understand. You may drop your lowest quiz score. You will have a window of time to complete these quizzes, thus no make-up quizzes will be given. I encourage you to take all the quizzes, just in case later in the semester you forget one, have a bad week, get sick, have computer problems, etc.

Exams:

Exams will be given during regular class time. Thus you will have the full class period to complete the exams. They will consist of multiple choice, true and false and/or matching questions. Exams 1-3 will not be cumulative and will only cover material since the previous exam; however, the final exam will be cumulative. The cumulative portion of the final will be drawn from material on the first three exams. You may drop your lowest regular exam, thus no make up exams will be given. However, ***everyone MUST take the final exam!***

Withdrawal

The last day to officially drop a course without academic penalty is Feb. 9th (you will have your first exams back by this point). Withdrawals after this date will result in a grade of W or F, depending on your current grade, except in cases of incapacitating illness or family trauma. ***Make up your mind whether you are serious about the class before this date!*** I do not allow frivolous withdrawals after this point.

Accommodations of Disabilities:

I am happy to make accommodations for students with special needs; however, you first must provide proper documentation from the Office of Counseling and Testing. You must also notify me of your needs one week prior to an assignment/quiz/test/etc. to allow time to arrange for the appropriate accommodations.

Extra Credit Work:

If you're concerned about your grade you may complete a one page, single spaced article summary and critique. It will count for ***up to*** an additional 2% of your final course grade. This is enough to push those on the edge of a higher grade up to the next level (e.g. a B+ to an A). Articles can be on any environmental topic of your choice, but must be approved by me ahead of time for content and length. Articles must be substantial in nature to be approved, at least two single spaced pages at a minimum. These could be scientific journal articles, a lengthy newspaper article or a longer magazine article. Include a summary of the article, and your thoughts and response to the issues raised. Attach the article to your critique. ***Extra credit must be completed by the BEGINNING of our last regular scheduled class period, April 23rd.*** You have all semester to work on this assignment, so ***absolutely no exceptions***.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Biology **Date** 8//21

Course No. or Level: 440 **Title:** Ecotoxicology

Semester hours 4 Clock hours: Lecture 3 Laboratory 3

Prerequisites: Biol 105/115 or 107, 106 or 108, Chem 201 or 203, or permission of the department

Enrollment expectation: 10-15

Indicate any course for which this course is a (an)

Modification: none
(proposed change in course title, course description, course content or method of instruction)

Substitute: none
(The proposed new course replaces a deleted course as a General Education or program requirement.)

Alternate: none
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: Elizabeth Jones

Department Chairperson's/Dean's Signature Vernon W. Bauer

Provost's Signature Peter King

Date of Implementation January 2023

Date of School/Department approval 8/19/21

Catalog description: 440 (3) (Prerequisite: Biol 105/115 or 107, Biol 106 or 108, Chem 201 or 203, or permission of department) This course discusses environmental contamination, including impacts to health and survival of individual organisms as well as effects on populations and ecosystems. Topics include a survey of major environmental contaminants, physiological effects of contaminants, ecological impacts resulting from pollution, and methods to detect contamination.

Purpose:

1. **For Whom (generally?):** Environmental Science or Biology majors
2. **What should the course do for the student?** Introduce students to the breadth and scope of issues related to environmental contamination. Upon course completion students will be able to: 1) Describe the history of the environmental movement leading to the establishment of ecotoxicology and contaminant regulation, 2) Describe major groups of environmental contaminants, including their sources and effects on organisms, 3) Explain how organisms absorb and clear contaminants, 4) Predict the population, community, and ecosystem effects

of environmental contamination, 5) Analyze solutions and tissues for evidence of contaminants or contaminant exposure, 5) Describe risk assessment and management.

Teaching method planned: Three hours of lecture and three hours of lab each week. Lectures will be a mix of PowerPoint and classroom activities. Classroom activities will include discussion of primary literature related to lecture topics and current affairs related to environmental pollution. Labs will consist of hands-on experiments conducted at the Freshwater Ecology Center in which students expose model organisms to common toxicants and collect data on altered survivorship, development, enzyme activity and transcription.

Textbook and/or materials planned (including electronic/multimedia):
Required Textbooks:

- Sparling, D. W. 2018. Basics of Ecotoxicology. CRC Press, Boca Raton, Florida. ISBN: 978-1-138-03171-5
- Klaassen, C. D., and J. B. Watkins III, editors. 2021. Casarett & Doull's Essentials of Toxicology. 4th edition. McGraw-Hill, New York. ISBN: 978-1-260-45229-7

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)
*Please see attached syllabus

Rationale: This proposal outlines a plan for a new course for both Environmental Science and Biology Majors. For Environmental Science majors it is important to understand the breadth and scope of issues related to pollution as this knowledge informs decisions surrounding species management and conservation, as well as risk assessment and mitigation. For Biology majors, this course enhances current offerings by outlining the physiology underpinning exposure to toxicants as well as the ecological effects resulting from environmental contamination. The overarching goal of this course is to educate students regarding harms resulting from environmental contamination.

When completed, forward to the Office of the Provost.

Ecotoxicology

Biology 440
Lecture room:
Lab Room:

Instructor: Dr. Elizabeth Jones
Office: MSB 201F
Phone: 843-661-1899
Email: elizabeth.jones@fmarion.edu
Office Hours: T/TH 10:00am - 11:00 am or by appointment

Course Description: Ecotoxicology (4). This course explores the effects of environmental contaminants, including impacts to health and survival of individual organisms as well as effects on populations and ecosystems. Topics include a survey of major environmental contaminants, physiological effects of contaminants, ecological impacts resulting from pollution, and methods to detect contamination.

Prerequisites: Biol 105/115 or 107, Biol 106 or 108, Math 132 or higher, Chem 201 or higher, or permission of the department

Course Objectives: Upon course completion you should be able to:

1. Describe the history of the environmental movement leading to the establishment of ecotoxicology and contaminant regulation.
2. List the major groups of environmental contaminants, including their sources and effects.
3. Explain how organisms absorb and clear contaminants.
4. Predict the population, community, and ecosystem effects of environmental contamination.
5. Analyze solutions and tissues for evidence of contaminants or contaminant exposure.
6. Describe risk assessment and management.

Required Textbooks:

- Sparling, D. W. 2018. Basics of Ecotoxicology. CRC Press, Boca Raton, Florida. ISBN: 978-1-138-03171-5
- Klaassen, C. D., and J. B. Watkins III, editors. 2021. Casarett & Doull's Essentials of Toxicology. 4th edition. McGraw-Hill, New York. ISBN: 978-1-260-45229-7

Grades:
Grades will be based on the following:

Summary of points:		
Exams	3 @ 100 pts each	300 pts
Case study		100 pts
Final Exam (comprehensive)		200 pts
Lab assignments	10 @ 10 pts each	100 pts
Final Lab report		100 pts
Total		**800 pts**

Grading scale:		
A	90-100%	(≥ 720 pts)
B+	87-89.9 %	(696-719 pts)
B	80-86.9%	(640-695 pts)
C+	77-79.9%	(616-639 pts)
C	70-76.9%	(560-615 pts)
D+	67-69.9%	(536-559 pts)
D	60-66.9%	(480-535 pts)
F	≤ 59.9%	(≤ 479 pts)

Exams: There will be three lecture exams worth 100 points. Information for each exam will come from lecture material and assigned readings. Make-up exams will only be given under extreme circumstances and require a doctor's excuse or other documentation describing why you were unable to take the exam. Make-up exams may not follow the format of those given in class.

Case study: Students will be assigned an environmental disaster (pollution related) to research. Students will present their research as a class presentation (20 pts) and a written paper (80 pts). Detailed instructions regarding this assignment will be given during class.

Final Exam: Final exam will be comprehensive and administered at the time designated in the Course Catalog.

Laboratory: The lab portion of this course will consist of an experiment in which *Daphnia magna* (a crustacean) or *Danio rerio* larvae (a fish) are exposed to low, medium, or high doses of an assigned contaminant. Students will collect data regarding organism survival, developmental abnormalities, physiological stress indicators, and changes in gene transcription. Students will also analyze test solutions to verify the concentrations of contaminants used.

Academic honesty and plagiarism: Evidence of cheating or plagiarism will result in a zero on the assignment and will be reported to the appropriate university office. Repeated offenses can result in course failure; offenses in multiple courses can result in expulsion from the university. Please refer to the Student Handbook for information about FMU's policies regarding academic honesty.

Students with disabilities: I am happy to provide assistance to students with physical or learning disabilities. If you require accommodations, please contact the Office of Counseling and Testing for documentation. It is then your responsibility to contact me at least one week prior to exams so that we can work out necessary accommodations. If you fail to contact me in a timely manner, I cannot guarantee your needs can be met.

Attendance: Attendance is essential to your success in this course and is expected. According to FMU policy, if you miss more than six lectures you may be dropped from the lecture with a W or F; missing more than two labs will result in being dropped with a W or F. Attendance on quiz and exam days is absolutely mandatory. If, for some reason you can't attend an exam, please, contact me prior to the exam. Be prepared to document your absence.

Tentative lecture and lab schedule

Ecotoxicology

Biology 4XX/5XX

Week	Lecture Topic	Chapter(s)	Lab
	Unit 1: How contaminants affect individuals		
1	Intro and history of ecotoxicology	S Ch. 1, K&W Ch.1, Rattner 2009	Experimental design 1: Background and rationale
2	General effects of contaminants, dose-response relationships	S Ch. 3; K&W Ch. 2	Experimental design 2: Methods
3	Uptake and elimination of contaminants	K&W Ch 5 & 6	Experimental set up
4	Biotransformation of contaminants	K&W Ch 6	Data collection, experiment take down
5	Organ toxicity (Exam 1)	Selected readings	Chemical analysis of test solutions
	Unit 2: Major contaminants: Where they come from and what they do		
6	Metals and Pesticides	S Ch 4&5	Calculation of LD 50, analysis of heart rate and growth data
7	Halogenated Organic Compounds	S Ch. 6	Oxidative stress assay
8	Polycyclic Aromatic Hydrocarbons and Organochlorine Pesticides	S Ch. 7	Oxidative stress assay
9	Radioactive materials	K&W Ch 25	Nucleic acid extraction and cDNA synthesis
10	Contaminants of Emerging concern (Exam 2)	S Ch 8	qPCR of genetic biomarkers
	Unit 3: Higher level effects of environmental contaminants		
11	Population level effects	S Ch 9; selected readings	qPCR of genetic biomarkers
12	Community and Ecosystem level effects	S Ch 10; selected readings	qPCR data analysis
13	Risk assessment and management	S Ch 11	Class data collection and discussion of overall results
14	Real World examples	Selected readings	Lab reports due
15	Real World examples (Exam 3)	Selected readings	

S = Sparling, Basics of Ecotoxicology, K&W = Klaassen andWatkins, Essentials of Toxicology

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Biology **Date** 8//21

Course No. or Level: BIOL 442 **Title:** Wildlife Biology

Semester hours 3 Clock hours: Lecture 3 Laboratory

Prerequisites: Biol 105/115 or 107, 106 or 108, Chem 112 and 112L or higher, or permission of the department

Enrollment expectation: 10-15

Indicate any course for which this course is a (an)

Modification: none
(proposed change in course title, course description, course content or method of instruction)

Substitute: none
(The proposed new course replaces a deleted course as a General Education or program requirement.)

Alternate: none
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: Jeff Camper

Department Chairperson's/Dean's Signature Vernon W. Bauer

Provost's Signature Peter King

Date of Implementation August 2023

Date of School/Department approval 8/19/21

Catalog description: 440 (3) (Prerequisite: Biol 105/115L or 107, Biol 106 or 108, Chem 112 and 112L or higher, or permission of department) This course will focus on issues associated with wildlife biology. Topics will include: history of wildlife management, natural wildlife populations and communities, invasive species, wildlife and habitat management, wildlife diseases, agriculture and wildlife and urban wildlife.

Purpose:

1. **For Whom (generally?):** Environmental Science or Biology majors
2. **What should the course do for the student?** Introduce students to the breadth and scope of issues related to wildlife biology. Students will understand the history of wildlife management and learn real-world, practical methods to manage wildlife populations, wildlife habitat, and wildlife diseases.

Teaching method planned: Three hours of lecture each week. Lectures will be a mix of PowerPoint and classroom activities. Classroom activities will include lectures, case studies and discussion of primary literature.

Textbook and/or materials planned (including electronic/multimedia):
Required Textbooks:

- Fryxell, J.M., A.R.E. Sinclair and G. Caughley. 2014. Wildlife Ecology, Conservation and Management. 3rd Edition. Wiley-Blackwell. ISBN: 978-1118291078

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)
*Please see attached syllabus

Rationale: This proposal outlines a plan for a new course for both Environmental Science and Biology Majors. Students in both majors may be interested in careers with agencies such as the SC Department of Natural Resources or the US Fish and Wildlife Service. This course provides a basic survey of ideas and methods such students would need to get those jobs.

When completed, forward to the Office of the Provost.

INTRODUCTION TO WILDLIFE MANAGEMENT
Biology 442

Instructors: Dr. Jeff Camper **Office:** LSF 204E

Office Hours: 10:30-12:00 T-Th or by appointment

Phone: 661-1418 **email:** jcamper@fmarion.edu

Text: Fryxell, J.M., A.R.E. Sinclair and G. Caughley. 2014. Wildlife Ecology, Conservation and Management. 3rd Edition. Wiley-Blackwell. ISBN: 978-1118291078

Lecture Outline:

Topic

Introduction and historical perspective
Wildlife habitat: characteristics, habitat use, selection, and management
Natural Communities*
Wildlife and habitat management
Conservation Biology
Invasive Species*
Wildlife Diseases
Agriculture and Wildlife
Urban Wildlife*

Readings in the text are expected to be completed before the accompanying lectures.

Exams will be held during the weeks with an asterisk in the above class schedule unless otherwise indicated. You may arrange to take an exam at a different time if we arrange it **BEFORE** the exam is given. The final exam is cumulative and counts the same as any other exam.

Grades will be based on the mean of your 4 exams on a 90, 80, 70, 60 scale.

Academic dishonesty: Includes but is not limited to plagiarism, copying from other students and cheating on exams. The first offense is a 0 (no credit) for the assignment and second offense is a WF for the course. All instances will be reported to the provost.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Political Science and Geography **Date** 8/15/21

Course No. or Level GEOG 215 **Title** Introduction to Mapping and GIS

Semester hours 3 **Clock hours: Lecture** 3 **Laboratory** _____

Prerequisites none

Enrollment Expectation 20

Indicate any course for which this course is a (an)

Modification GEOG 215 - changes to course title and description only
(proposed change in course title, course description, course content or method of instruction)

Substitute _____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

Name of person preparing course description: Jennifer Titanski-Hooper

Department Chairperson's/Dean's Signature David R. White

Provost's Signature Peter King

Date of Implementation Fall 2022

Date of School/Department approval 8/23/2021

Catalog description:

GEOG 215: Introduction to Mapping and GIS (3) Students learn to understand and utilize Geographic Information Sciences/Systems (GIS), which are used to visualize and analyze environmental, social, political, and/or economic phenomena for a location. The course explores GIS technologies through mapping software programs that students will use to collect, organize, manipulate, analyze, and display geographic data as maps. The course also explores issues of privacy and cybersecurity in the collection and publication of geographic information.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors, geography minors, non-majors
2. **What should the course do for the student?** Students will (1) become familiar with the types of analytical tools and processes used in GIS technologies and ArcGIS (2) explore how data is collected and accessed by various GIS users and community stakeholders, (3) produce a series of maps that demonstrates how GIS can assist in the analysis of economic, social, political, and environmental issues, and (4) use critical reading, thinking, and writing skills to understand the benefits and limitations of using GIS and big data.

Teaching method planned: Three hours of lecture each week. Lectures will be a mix of PowerPoint, classroom mapping activities, and discussions.

Textbook and/or materials planned (including electronic/multimedia):
Commons E-text: http://giscommons.org/
Principles of GIS: https://webapps.itc.utwente.nl/librarywww/papers_2009/general/principlesgis.pdf
Gorr, Wilpen and Kurland, Kristen. 2016. *GIS Tutorial 1: Basic Workbook*, Redlands, CA: ESRI Press

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details

When completed, forward to the Office of the Provost.

DEPARTMENT OF POLITICAL SCIENCE AND GEOGRAPHY
FRANCIS MARION UNIVERSITY
GEOG215: INTRODUCTION TO MAPPING AND GIS
FALL 2021

INSTRUCTOR	OFFICE HOURS	CLASS TIME
Dr. Jennifer Titanski-Hooper 136 Founders Hall JTitanskiHooper@fmarion.edu	***By Appointment*** *(please put "Geog215" and your section in the subject line of your email)*	**T/Th 8:30-9:45** MSB 220

Textbook	There is no required textbook, but supplemental reading assignments **WILL** be available on the **GIS Commons E-text** (http://giscommons.org/) and the **Principles of GIS Textbook** (https://webapps.itc.utwente.nl/librarywww/papers_2009/general/principlesgis.pdf). Occasionally, supplemental readings may also be posted to Blackboard. It is your responsibility to check the Blackboard website regularly for reading and writing assignments. The textbook is available at the bookstore and on-line **Recommended:** Gorr, Wilpen and Kurland, Kristen. 2016. *GIS Tutorial 1: Basic Workbook*, Redlands, CA: ESRI Press
Course Description	GIS technologies are increasingly useful in a variety of professional fields. Researchers, businesses, government agencies, and non-profit groups use GIS tools to visualize and analyze social, political, and economic phenomena for a location. GIS can help answer where is the best location for a new business, how can communities adapt or respond to natural disasters, and how to best create economic development for urban and rural environments. However, GIS also raises a lot of questions regarding privacy when large amounts of data are collected about populations and places without the express knowledge and consent of a community. In this class, students will become familiar with one of the most popular GIS software platforms, ArcGIS, while also learning to be critical of where and how data is used in GIS and similar technologies.
Learning Objectives	In this class, we will (1) become familiar with the types of analytical tools and processes used in GIS technologies and ArcGIS (2) explore how data is collected and accessed by various GIS users and community stakeholders, (3) produce a series of maps that demonstrates how GIS can assist in the analysis of economic, social, political, and environmental issues, and (4) use critical reading, thinking, and writing skills to understand the benefits and limitations of using GIS and big data.

	Assessment	Points
Grading	Attendance/Participation	50
	Quizzes (3@50)	150
	Maps (10@20)	200
	Story Map	100
	Story Map Reflection	50
	Total Points	*550*

	Percentage	Letter
Grading Scale	90-100	A
	86-89	B+
	80-85	B
	76-79	C+
	70-75	C
	66-69	D+
	60-65	D
	0-59	F

Please note that the FMU grading system states that an A grade indicates 'an achievement of distinction' (http://catalogs.fmarion.edu/Cat0405/acad/acad7.htm). Thus, do not expect an A for effort; to earn an A, you will need to go above and beyond rather than just doing the standard or normal.

COURSE ASSESSMENT DESCRIPTIONS	
Attendance (25 pts) & Participation (25 pts)	• Attendance will be taken in class every day. • You are permitted **3 unexcused absences**, then points are deducted for every unexcused absence. • To be excused, you must make every attempt to let the instructor know **in advance** if you will be missing a class. Excuses that are provided at the end of the semester for classes that were previously missed will not be honored. • Students will also be assessed on their **preparation and participation**. Failure to contribute to discussion and/or in-class writing activities will result in a reduced grade. ***Please note that FMU also has an attendance policy. Per FMU's policy, students will be allowed to miss a maximum of 4 (four) classes before being dropped from this class.*** **Definition of Attendance**: Arriving on time and staying in class for the entire duration of the class. Students who arrive late or leave early will not receive points for that day. **Definition of Participation:** Coming to class prepared to discuss new material. Asking and answering questions, and actively participating in discussions.
Quizzes 150 pts/50 each	• There will be 3 **quizzes** throughout the semester. • Each quiz is worth **50 points**. • The quiz format may contain multiple-choice, short answer, or essay questions. • Make-up quizzes will only be given to those students who can provide a legitimate reason for missing the quiz. • All possible attempts should be made to complete the quiz on time, or to let the instructor know **in advance** if you have a conflict with a scheduled quiz.
Map Activities 200 pts/20 each	• Students will complete **10 mapping activities worth 20 points each**. Each activity will ask students to apply a skill that is introduced in lecture. The mapping assignments, data to complete the projects, and instructions will be located on Blackboard. Activity due dates are in the course schedule below, and more information about how students will be graded can be found on blackboard.
Story Map and Reflection 150 pts	• Students will complete 1 **ArcGIS Story Map project**, to be submitted in several components throughout the semester. • Students will propose a question or problem they want to answer with GIS, and select the data they need to answer their proposed question • Students will then create a story map that attempts to visualize an answer to their question • Finally, students will complete a single, written reflection describing the process of making their Story Map. More details about the reflection will be discussed as the semester goes on.
NOTE: THERE ARE NO EXTRA CREDIT OPPORTUNITIES IN THIS CLASS, AND LATE ASSIGNMENTS WILL NOT BE ACCEPTED WITHOUT APPROVAL FROM THE INSTRUCTOR IN ADVANCE OF THE DUE DATE.	

COURSE REQUIREMENTS	
Blackboard	• Course materials and announcements will be posted on Blackboard. • A working knowledge of Blackboard is critical for success in this course. • Make sure to check Blackboard and your email frequently
Lectures & Discussions	• This class will include lectures and portions or all of some class time will be dedicated to discussion. • PowerPoint slides are used during class as an instructional aid. They are NOT a substitute for taking notes during class. I **do not** put all of the information you will need on the slides. • All material discussed in class is considered material for quizzes. • Lectures will be posted to Blackboard the night before class.

CLASS POLICIES	
Etiquette	It is important that we all work together to create a supportive and engaging classroom environment. Disruptive behaviors will not be tolerated, and the instructor reserves the right to ask a student to leave class in these circumstances. In addition, offensive comments in online discussions will be deleted immediately. Refer to your FMU student handbook for information about adhering to the university's honor code.
Communication	Open communication is incredibly important to the success of this course. As the instructor, I will do my best to respond to your concerns and answer any questions you have in a timely manner. It is my course policy to respond to emails **within 48 hours** of receiving them. Please keep this in mind, as you are waiting for a response. In addition to the office hours listed on this syllabus, I am happy to schedule alternate meeting times, or talk with you via Skype, so do not hesitate to ask for help. In addition to announcements in class, important course news will be posted as announcements on Blackboard, as well as sent through email. It is vital that **you check your FMU email regularly**, or have it forwarded to your personal email in order to avoid missing important news.
Academic Integrity	All students are required to follow Francis Marion University's policies regarding cheating and plagiarism. The requirements for academic integrity are discussed at length in the 2019-2020 Student Handbook. Any act of plagiarism or academic dishonesty will result in a grade of zero for the assignment in question. Especially egregious occurrences will result in a grade of zero for the entire class. All plagiarists and cheaters will be referred to the Provost for additional disciplinary action As such, it is important that you engage in scholarly activity in an open, honest, and responsible manner. Always use your own words and ideas, and cite your work appropriately! **POSTING COURSE MATERIALS:** In this class, academic integrity also extends to posting course materials, videos of lecture, exam questions, or student work online in any capacity. No materials from your peers or from the professor should be posted to any social media or other online platform without the express permission of the student or instructor.
Accommodations	FMU is committed to student success for all students. The Office of Counseling and Testing provides support for students with learning, medical, physical, and/or psychological disabilities. Please visit their website for information on services offered or scheduling an appointment (http://www.fmarion.edu/counselingandtesting/). In order to receive consideration for reasonable accommodations, you must contact the Office of Counseling and Testing. Upon receiving documentation for your accommodation, please share it with your instructors and discuss the accommodations with them as early in your courses as possible.

*** The Instructor reserves the right to modify this syllabus as appropriate throughout the semester***

COURSE SCHEDULE				
Week	**Date**	**Topic**	**Reading**	**Assignments**
1	08/24	-Course Introduction	-Syllabus	
	08/26	-Introduction to Geography and GIS	-See Slides on Blackboard	
2	08/31	-Key Terms and Concepts	-Ch. 1 in *Principles of GIS* -Ch. 1 in GIS Commons	
	9/02	-Exploring ArcOnline and Google Earth		**-Map Activity #1** due in Blackboard by Sunday at 11:59pm
3	09/07	-Geographic Information and Types of Spatial Data	-Ch. 2 in *Principles of GIS*	
	09/09	-Exploring Census Data		**-Map Activity #2** due in Blackboard by Sunday at 11:59pm
4	09/14	-Data Management and Processing Systems	-Ch. 3 in *Principles of GIS*	
	09/16	-Story Map Introduction	-Telling Stories with Maps/Story Telling with Maps	**-Quiz #1** due on Blackboard by Sunday at 11:59pm
5	09/21	-Spatial Referencing and Positioning	-Ch. 3 in *GIS Commons* -Ch. 4 in *Principles of GIS*	
	09/23	-Exploring Projections and Coordinate Systems		**-Map Activity #3** due in Blackboard by Sunday at 11:59pm
6	09/28	-Data Entry and Preparation	-Ch. 5 in *Principles of GIS*	
	09/30	**Film:** The Joy of Data		**-Map Activity #4** due in Blackboard by Sunday at 11:59pm
7	10/05	-Spatial Data Analysis I	-Ch. 5 in *GIS Commons* -Ch. 6 in *Principles of GIS*	
	10/07	-Spatial Data Analysis II		**-Map Activity #5** Due on Blackboard by Sunday at 11:59pm
8	10/12	-Data Visualization	-Ch. 6 in *GIS Commons* -Ch. 7 in *Principles of GIS*	
	10/14	-Data and Your Story Map		**-Quiz #2** due on Blackboard by Sunday at 11:59pm
9	10/19	-Mapping and Governance		
	10/21	-Mapping and Politics		**-Map Activity #6** due on Blackboard by Sunday at 11:59pm
10	10/26	-Mapping and Health		
	10/28	-Mapping and Business		**-Map Activity #7** due on Blackboard by Sunday at 11:59pm
11	11/02	-Mapping the Environment I		

	11/04	-Mapping the Environment II		**-Map Activity #8** due on Blackboard by Sunday at 11:59pm
12	**11/09**	-Catch-Up Week!		
	11/11	-Catch-Up Week!		**-Map Activity #9** due on Blackboard by Sunday at 11:59pm
13	**11/16**	**-Film:** The Great Hack		
	11/18	**-Film:** The Great Hack		**-Map Activity #10** due on Blackboard by Sunday at 11:59pm
14	**11/23**	-Story Map Work Session		
	11/25	**Thanksgiving Break—No Class**		
15	**11/30**	-Story Map Work Session		
	12/01	-Story Map Work Session		**-Quiz #3** due on Blackboard by Sunday at 11:59pm
16	**Finals**	**Finals Week—Reflection Due**		**-Story Map and Reflection** Due on Blackboard, Friday, at 11:59pm

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Political Science and Geography **Date** 08/18/21

Course No. or Level POLI 250/ ENVR 250 **Title** Introduction to Environmental Law

Semester hours 3 Clock hours: Lecture 3 Laboratory

Prerequisites POLI 101 or 103

Enrollment expectation 25

Indicate any course for which this course is a (an)

modification Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description Dillon Tatum

Department Chairperson's/Dean's Signature David R. White

Provost's Signature

Date of Implementation Fall 2022

Date of School/Department approval 8/23/2021

Catalog description:

POLI 250: Introduction to Environmental Law (3) (Prerequisite: 101 or 103) (Same as Environmental Science and Studies 250) This class introduces students to the major statutes and policies used to protect humans and the environment, including current challenges related to climate change. The class will additionally look at enforcement issues, the role of the market, and constitutional issues related to environmental regulation. Credit cannot be given for both POLI 250 and ENVR 250.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors, political science majors/minors
2. **What should the course do for the student?** The course will provide students an entry-level understanding of contemporary issues related to law, the environment, and policymaking.

Teaching method planned: Three hours of lecture each week. Lectures will be a mix of PowerPoint, classroom activities, and discussions.

Textbook and/or materials planned (including electronic/multimedia):
See attached syllabus.

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

POL250: Introduction to Environmental Law

Professor Dillon Tatum
Francis Marion University
Fall 2021
Meeting Time: T/TH
Location: TBD
Professor Office Hours: TBD
Or by appointment (Office #: FH134)
Professor Email: dtatum@fmarion.edu

Course Description: In this course, we will examine the major statutes and laws used to protect humans and the environment. The second half of the course will zoom in on the politics and legal challenges related to climate change. The class will additionally look at enforcement issues, the role of the market, and constitutional issues related to environmental regulation.

Learning Objectives: Upon satisfactory completion of this course, students will be able to…

- Define key terms related to environmental law.
- Describe the historical trajectory of major legal processes in environmental politics.
- Apply lessons from history to understand the successes and failures of contemporary environmental regulation.
- Write essays and exams that develop arguments based on a close reading of texts, history, and politics.

Class Meetings: The course meets T/TH. This course is presented as a *seminar course* with students leading the discussion each week. There will be very limited lecturing.

Requirements/Assignments: This course requires students complete a variety of assignments meant to evaluate a student's abilities as envisioned in the learning objectives. There are *FOUR* (4) sets of assignments in the course.

****Essays (2 x 200 points each)*** Students will be assigned two essays (due dates listed in the course schedule). Each essay should be ~1,500 words in length, and should respond directly to the prompts provided. Follow the guidelines found in the "Essay Guidelines and Rubric" file on Blackboard.

Leading Discussion (2 x 100 points each): Each student will sign up to lead the discussion for *two* class sessions during the semester. Depending on the size of class, this might require doubling up on days. Follow the guidelines found in the "Discussion Lead Guidelines and Rubrics" on Blackboard.

****Discussion participation/attendance (200 points)*:** Discussion participation—including proper preparation by doing the readings—is key to the effectiveness of the course. Come prepared every single class session. The instructor reserves the right to cold-call on students.

Student Presentations (200 points): Students will each present on an environmental legal challenge of their choice. These presentations will happen in *part IV* of the course, and should follow the guidelines provided on Blackboard.

Grading: Grades for this course are non-negotiable—the professor *records* grades, he does not *assign* them. However, the professor is always happy to help you understand how to perform at your best. Please visit the

professor in office hours if you need feedback or help. This course is not graded on a curve; you will receive the grade you earn.

The grading breakdown is as follows:	
Grading Scale	
900-1000 points	A
870-899 points	B+
800-869 points	B
770-799 points	C+
700-769 points	C
670-699 points	D+
600-669 points	D
< 600 points	F

Reading: All course readings are listed on the syllabus. There are three assigned books that students will have to acquire (these are available at the bookstore or online from Amazon):

*Salzman and Thompson, *Environmental Law and Policy*, 5th edition.
[S&T in course schedule]

*[Occasional short readings will be provided on Blackboard. TBD]

IMPORTANT: The readings should be completed before the designated sessions that they correspond to. This is a reading heavy course, and relies on a close reading of sometimes difficult texts. This course is not for the faint of heart! I will assume that students who show up to session two have agreed to the reasonableness of the reading. No complaining will be tolerated!

Academic Integrity: If it is found that a student has violated the university's standards of academic integrity, the instructor reserves the right to fail that student's assignment and to report serious violations to the university in compliance with institutional policy. Be honest in all of your work, and give proper credit and citation where it is due.

Extensions and Late Assignments: There will be no extensions given, or late assignments accepted, except in exceptional circumstances (as determined by the professor).

Contacting the Professor: The professor is available to students via email, as well as during scheduled office hours. Email is most appropriate for small issues and clarifications. However, any other issues (including questions about grades) should be addressed in office hours. Studies show that students who come to office hours, on average, perform better in class than those who do not. If my office hours do not work with your schedule, please contact me so we can arrange an alternate time, or swing by and feel free to chat whenever my door is open. Allow 24 hours for a response to email. Do not expect speedy responses over the weekend.

Disability: Students with disabilities should register with university's Office of Counseling and Testing, and inform the professor within the first two weeks of the term of any special accommodations required. The university, and the faculty, are dedicated to making this course a level playing field for all students.

Electronic Devices, Food, and Tardiness: Laptop computers are allowed in the classroom for the purposes of note-taking only. Any disruptive activity involving personal electronics may result in the professor asking you

to leave. Cell phones, MP3 players, and other small electronics should be turned off, or put on silent, before entering the classroom.

Tardiness is a major distraction to your fellow classmates and your instructor. Please arrive on time to the class. If you arrive late, you will not get credit for attendance; however, I do not lock the door, so you can still sit in on the lecture and participate in the discussion.

Civility: Students must be civil in the classroom and abide by the standards of civility laid out in the student handbook. I do not expect you to agree with your colleagues or the professor all the time, but I do expect disagreement to be respectful and constructive. Hate speech, derogatory language, or other hostile/intimidating language could result in being dropped from the course.

The Syllabus: Consider the syllabus the SINGLE most important course resource. Be sure to read through it thoroughly and always have it ready for reference. Missing an assignment or a reading because you misread/did not read the syllabus is no excuse.

Course Schedule

Date	Topic	Readings/Assignments
8/24	Introduction/Syllabus	*Read the syllabus closely.
8/26	A Brief History of Environmental Protection	*S&T, ch. 1.
PART I: Regulatory Practice		
8/31	What is Law and Regulation?	*Readings TBD
9/2	Law and Policy	*S&T, ch. 2.
9/7	Law and Policy, part II	*READINGS ON BLACKBOARD.

9/9	Regulatory Practice	*S&T, ch. 3.
9/14	Regulatory Practice, part II	*READINGS ON BLACKBOARD.
9/16	Enforcing Law, Regulation, and Policy	*S&T, ch. 4.
9/21	Enforcing Law, Regulation, and Policy	*READINGS ON BLACKBOARD.
PART II: POLLUTION and RESOURCES		
9/23	Air Pollution	*S&T, chs. 5-6.
9/28	Water Pollution	*S&T, ch. 7.
9/30	Toxic and Hazardous Substances	*S&T, ch. 8.
10/5	Endangered Species, Wetlands, and Forests	*S&T, ch. 10
10/7	Energy Policy/Politics	*S&T, ch. 11.
10/12	*NO CLASS: Fall Break*	
10/14	Waste Management	*S&T, ch. 9
PART III: CLIMATE CHANGE		
10/19	Climate Change as Environmental Problem	D&P, ch. 1 ***MIDTERM PAPER DUE***
10/21	Science and Politics	D&P, ch. 2
10/26	What We Know about the Human Causes of Climate Change, part I	D&P, ch. 3 (first half).
10/28	What We Know about the Human	D&P, ch. 4 (second half).

	Causes of Climate Change, part II	
11/2	Legal and Policy Solutions: Adaptation	D&P, pp. 113-120.
11/4	Legal and Policy Solutions: Mitigation	D&P, pp. 121-152.
11/9	Legal and Policy Solutions: Climate Engineering	D&P, pp. 153-174.
11/11	Living (and Dying) in the Anthropocene?	*Scranton, *Learning to Die in the Anthropocene* (selections). *Haraway, *Staying with the Trouble* (selections).
PART IV: STUDENT PRESENTATIONS		
11/16	Presentations	*No readings.
11/18	Presentations	*No readings.
11/23	Presentations	*No readings.
11/25	*NO CLASS: Thanksgiving*	
11/30	Presentations	*No readings.
12/2	Conclusion: What Did We Learn?	*No readings.
EXAMS		***FINAL PAPER DUE***

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Political Science and Geography **Date** 08/18/21

Course No. or Level POLI 250/ ENVR 250 **Title** Introduction to Environmental Law

Semester hours 3 Clock hours: Lecture 3 Laboratory

Prerequisites POLI 101 or 103

Enrollment expectation 25

Indicate any course for which this course is a (an)

modification Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description Dillon Tatum

Department Chairperson's/Dean's Signature David R. White

Provost's Signature Peter King

Date of Implementation Fall 2022

Date of School/Department approval 8/23/2021

Catalog description:

POLI 250: Introduction to Environmental Law (3) (Prerequisite: 101 or 103) (Same as Environmental Science and Studies 250) This class introduces students to the major statutes and policies used to protect humans and the environment, including current challenges related to climate change. The class will additionally look at enforcement issues, the role of the market, and constitutional issues related to environmental regulation. Credit cannot be given for both POLI 250 and ENVR 250.

Purpose:

1. **For Whom (generally?):** environmental science majors, environmental studies majors, political science majors/minors
2. **What should the course do for the student?** The course will provide students an entry-level understanding of contemporary issues related to law, the environment, and policymaking.

Teaching method planned: Three hours of lecture each week. Lectures will be a mix of PowerPoint, classroom activities, and discussions.

Textbook and/or materials planned (including electronic/multimedia):
See attached syllabus.

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

POL250: Introduction to Environmental Law

Professor Dillon Tatum
Francis Marion University
Fall 2021
Meeting Time: T/TH
Location: TBD
Professor Office Hours: TBD
Or by appointment (Office #: FH134)
Professor Email: dtatum@fmarion.edu

Course Description: In this course, we will examine the major statutes and laws used to protect humans and the environment. The second half of the course will zoom in on the politics and legal challenges related to climate change. The class will additionally look at enforcement issues, the role of the market, and constitutional issues related to environmental regulation.

Learning Objectives: Upon satisfactory completion of this course, students will be able to…

- Define key terms related to environmental law.
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- Apply lessons from history to understand the successes and failures of contemporary environmental regulation.
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[S&T in course schedule]

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	PART II: POLLUTION and RESOURCES	
9/23	Air Pollution	*S&T, chs. 5-6.
9/28	Water Pollution	*S&T, ch. 7.
9/30	Toxic and Hazardous Substances	*S&T, ch. 8.
10/5	Endangered Species, Wetlands, and Forests	*S&T, ch. 10
10/7	Energy Policy/Politics	*S&T, ch. 11.
10/12	*NO CLASS: Fall Break*	
10/14	Waste Management	*S&T, ch. 9
	PART III: CLIMATE CHANGE	
10/19	Climate Change as Environmental Problem	D&P, ch. 1 ***MIDTERM PAPER DUE***
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11/9	Legal and Policy Solutions: Climate Engineering	D&P, pp. 153-174.
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11/23	Presentations	*No readings.
11/25	*NO CLASS: Thanksgiving*	
11/30	Presentations	*No readings.
12/2	Conclusion: What Did We Learn?	*No readings.
EXAMS		***FINAL PAPER DUE***

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Political Science & Geography **Date** 8/20/21

Course No. or Level POLI 351/ENVR 351 **Title** U.S. Environmental Policy and Politics

Semester hours 3 Clock hours: Lecture 3 Laboratory

Prerequisites POLI 101 or 103

Enrollment expectation 25

Indicate any course for which this course is a (an)

modification Title change:
(proposed change in course title, course description, course content or method of instruction)

substitute
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description David White

Department Chairperson's/Dean's Signature David R. White

Provost's Signature Peter King

Date of Implementation Spring 2023

Date of School/Department approval 8/23/2021

Catalog description:

POLI 351: U.S. Environmental Policy and Politics (3) (Prerequisite: 101 or 103) (Same as Environmental Science and Studies 351) Examines the governmental institutions (federal, state, and local), the non-governmental actors and organizations, and the governmental and political processes that interact to shape and create environmental public policy in the United States. Credit cannot be given for both POLI 351 and ENVR 351.

Purpose:

1. **For Whom?** environmental science majors, environmental studies majors, political science majors
2. **What should the course do for the student?** Introduce students to environmental issues facing the United States public and government.

Teaching method planned: Three hours of lecture each week. Lectures will be in a traditional format (chalkboard and chalk, or whiteboard and marker) combined with relevant governmental, non-governmental, and environmental websites projected on a screen during class.

Textbook and/or materials planned (including electronic/multimedia):

***Environmental Policy: New Directions for the Twenty-First Century*, 11th Edition by Norman J. Vig, Michael E. Kraft, and Barry G. Rabe, SAGE (2022).**

***The Environmental Case: Translating Values into Policy* by Judith A. Layzer and Sara R. Rinfret, SAGE (2020).**

Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

Please see the attached syllabus for course details.

When completed, forward to the Office of the Provost.

Political Science 351: U.S. Environmental Politics & Policy
11:30--11:20 MWF
Fall 2021 (Hypothetically)

When: MWF 9:30 – 10:20 a.m.
Where: FH 140A
Instructor: Dr. David White
Office: Founders Hall 129
Office Hours: MTWTh 2:00 – 3:00 p.m.
By appointment or whenever my office door is open, which is often.
Phone #: (843) 661-1614
Email: dwhite@fmarion.edu

COURSE STRUCTURE AND OBJECTIVES: Using a variety of past and present case studies, Political Science 351 examines the governmental institutions (federal, state, and local), the nongovernmental actors and organizations, and the governmental and political processes that interact to shape and create environmental public policy in the United States. Upon completing this course students will be familiar with a variety of environmental issues facing the U.S., the different actors and stakeholders involved in addressing these concerns, and potential public policy solutions.

TEXTBOOK: There are two required textbooks for this course. The first is Environmental Policy: New Directions for the Twenty-First Century, 11th Edition by Norman J. Vig, Michael E. Kraft, and Barry G. Rabe, and published by SAGE (2022). The second book, also published by SAGE (2020), is The Environmental Case: Translating Values into Policy by Judith A. Layzer and Sara R. Rinfret. They are available in paper or ebook format. If you prefer not to purchase them, you can rent them from the Patriot Bookstore.

READINGS: The order of textbook reading assignments is listed in the course outline beginning on page 3 of this syllabus. Assignments should be read by the Monday of the week listed.

I also post numerous newspaper and magazine articles for you to read on Blackboard. They should be read after I assign them in class or notify you via email.

Finally, students are strongly encouraged to follow national and international news so that we can discuss relevant current political/environmental issues in class. I suggest reading articles focusing on government and/or politics in any one of the following: The New York Times, The Washington Post, The Wall Street Journal, USA Today, or The Charleston Post & Courier. All are available online with a limited number of free articles each month.

ATTENDANCE: According to the FMU Catalog 2021-2022:

> It is the responsibility of the student to attend all scheduled meetings in the courses in which he/she is enrolled. If a student is absent more than twice the number of required class or laboratory sessions per week during regular semesters . . . . a grade of F or W will normally be assigned, unless absences have been excused for cause by the instructor (p.51).

In other words, after you miss 7 classes you will be dropped from this class. This does not mean that you can miss 6 classes because you want to sleep in late, 6 classes because of bad traffic, 6 classes because you really got sick, and another 6 classes because your Great Great Aunt Minnie passed away. What you get is 6 absences, TOTAL, for this class. On the other hand, if you desire

to drop this class, please bring me the appropriate drop/add form to sign.

I will create a seating chart during the first week of class so that I can take attendance at the beginning of each class. Late arrivals should not aggravate their situation by asking to have their late attendance noted. If you are consistently late (more than once), then your late arrivals will be counted as absences. If you need to leave class early, please notify me before class.

With the exception of laptops and tablets that are being used to take class notes, all electronic equipment should be out of sight--yours and mine--by the time I begin teaching in the classroom. Chewing tobacco, vaping, and smoking are prohibited. Light snacking or drinking during class is fine. Eating a meal is not.

CLASS DISCUSSION: I enjoy class discussion immensely and try to incorporate it into my courses. However, class discussion requires one essential element: class participation. Consequently during class I expect you to make points, offer opinions or ask questions relevant to topics being discussed, preferably in a courteous manner. I will create some opportunities for class discussion on BB and will take note of those students who participate regularly and/or make good, logical arguments in the discussion threads.

EXAMS: Three exams are scheduled during the semester, each worth 20% of your final grade.) Exams may consist of any combination of: multiple choice questions; fill-in-the blank; short answer questions; and longer answer questions. Feel free to contact me to discuss either the exam or your grade during the week after the exam is returned. Do not wait until the end of the semester to bring your questions, concerns and/or complaints to my attention.

MAKE-UP EXAMS: These are for students who miss a classroom exam only. All make-up exams will be given on Wednesday, December 1 at 2:30 p.m. in a room to be determined. All material covered during class or in the textbook is considered appropriate material for a make-up exam.

QUIZZES AND DISCUSSION BOARDS: As an incentive to complete the assigned readings on time, your knowledge of their contents will be determined either through a quiz or a discussion forum on Blackboard. Each of these is worth 10 points, for a total of 100 points, as the lowest grade will be dropped. This grade is worth 20% of your final grade. There are no make-up quizzes or discussion boards, unless you inform me two days before the anticipated quiz AND you take the quiz before I return them to the class. Quiz questions will be a combination of multiple choice, fill-in-the-blank, and short answer.

MEMORANDUM: A research memo that you write is worth 20% of your final grade. Handouts explaining and detailing the assignment are forthcoming. In short, you will write about a contemporary environmental policy issue at the local, state, or national level, and make a recommendation to someone – the president, a Cabinet secretary, the governor, the head of an environmental organization – arguing what you believe to be the best course of action. The memo will be based upon research, data, and logical reasoning, including environmental and political reasoning. The point of this assignment is to improve your ability to write a coherent, analytical argument. Your grade will be based upon the strength of the argument you make, not which argument you make. The memo is due by Monday, November 8 at 11:00 p.m. Those plagiarizing any parts of their memo will earn a grade of zero and be reported to the Provost's office.

GRADES: Your final grade for the course is calculated based upon the weighted average of your

exams and homework. To earn an "A" your average must be 90 or above; an average between 85 and 89.9 earns a "B+"; an average between 80 and 84.9 earns a "B"; 75 to 79.9 a "C+"; 70 to 74.9 a "C"; 65 to 69.9 a "D+"; 60 to 64.9 a "D"; below 60 an "F". Perfect class attendance and meaningful participation in class discussion may benefit you if you have a borderline grade at the end of the semester.

ETHICS: Breaches in scholastic ethics, such as cheating on an exam, are dealt with severely. Students caught cheating will receive a grade of zero on that exam and be referred to the Office of the Provost.

COURSE OUTLINE and IMPORTANT DATES

August 25 – 27
Introduction, Expectations, Current Environmental Issues Facing the U.S.

August 30 – September 3
VK&R Ch. #1 – US Environmental Policy: A Half-Century Assessment
L&R Chapter #1 – A Policymaking Framework: Defining Problems and Portraying Solutions in U.S. Environmental Politics

September 6 – 10
Monday, September 6 – NO CLASS, Labor Day
VK&R Ch. #2 –Racing to the Top, the Bottom, or the Middle of the Pack? The Evolving State Government Role in Environmental Protection
VK&R Ch. #7 – The Environmental Protection Agency
L&R Chapter #2 – The Nation Tackles Air and Water Pollution: The Environmental Protection Agency and the Clean Air and Clean Water Acts

September 13 – 17
MONDAY, SEPTEMBER 13 – MEMO TOPICS DUE
VK&R Ch. #3 – Politics, Prices, and Proof: American Public Opinion on Environmental Policy
L&R Chapter #3 – Love Canal: Hazardous Waste and the Politics of Fear

September 20 – 24
VK&R Ch. #4 – Presidential Powers and Environmental Policy
L&R Chapter #4 – Ecosystem-Based Management of the Chesapeake Bay
FRIDAY, SEPTEMBER 24 – EXAM #1 (worth 20% of final grade)

September 27 – October 1
VK&R Ch. #5 – Environmental Policy in Congress
L&R Chapter #5 – Market-Based Solutions: Acid Rain and the Clean Air Act Amendments of 1990

October 4 – 8
VK&R Ch. #6 – Environmental Policy in the Courts
VK&R Ch. #9 – Natural Resource Policies in an Era of Polarized Politics

October 11 – 15
Monday, October 11 – NO CLASS, Fall Break
L&R Chapter #7 – Federal Grazing Policy: Some Things Never Change

L&R Chapter #8 – Jobs Versus the Environment: Saving the Northern Spotted Owl

October 18 – 22
VK&R Ch. #8 – Energy Policy
L&R Chapter #6 – Oil Versus Wilderness in the Arctic National Wildlife Refuge
L&R Chapter #14 – Fracking Wars: Local and State Responses to Unconventional Shale Gas Development

October 25 – 29
L&R Chapter #9 – Playground or Paradise? Snowmobiles in Yellowstone National Park
FRIDAY, OCTOBER 29 – EXAM #2 (worth 20% of final grade)

November 1 – 5
VK&R Ch. #10 – Applying Market Principles to Environmental Policy
L&R Chapter #10 – Crisis and Recovery in the New England Fisheries

November 8 – 12
MONDAY, NOVEMBER 8 – MEMO DUE BY 11:00 PM (worth 20% of final grade)
VK&R Ch. #11 – Sustainability and Resilience in Cities: What Cities Are Doing

November 15 – 19
L&R Chapter #12 – Climate Change: The Crisis of our Time
L&R Chapter #13 – Cape Wind: If Not Here, Where? If not Now, When?

November 22 – 26
L&R Chapter #11 – The Deepwater Horizon Disaster: The High Cost of Offshore Oil
L&R Chapter # 16 – Post Katrina: Lessons From a Disaster
Wednesday, November 24 – NO CLASS, Thanksgiving Break
Friday, November 26 – NO CLASS, Thanksgiving Break

November 29 – December 3
Chapter #15 – Making Trade-Offs: Urban Sprawl and the Evolving System of Growth Management in Portland, Oregon
Wednesday, December 1 – MAKE-UP EXAM, 2:30 – 3:20 p.m.

December 6 – 10
Monday, December 6 – LAST DAY OF CLASS
Tuesday, December 7 – READING DAY; NO EXAMS
FRIDAY, DECEMBER 10, 11:45 AM – 1:00 PM – EXAM #3 (worth 20% of final grade)

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Political Science and Geography **Date** 8/15/21

Course No. or Level POLI 355/GEOG 355/ENVR 355 Title Global Environmental Policy and Politics

Semester hours 3 **Clock hours: Lecture** 3 **Laboratory** _____

Prerequisites POLI 101 or 103

Enrollment Expectation 25

Indicate any course for which this course is a (an)

Modification _____
(proposed change in course title, course description, course content or method of instruction)

Substitute _____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

Alternate _____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: Jennifer Titanski-Hooper

Department Chairperson's/Dean's Signature David R. White

Provost's Signature Peter King

Date of Implementation Spring 2023

Date of School/Department approval 8/23/2021

Catalog description:

POLI 355/GEOG 355: Global Environmental Policy and Politics (3) (Prerequisite: Political Science 101 or 103 or Geography 101 or 102) (Same as Geography 355 and Environmental Science and Studies 355) Students examine how environmental processes interact with social, political, and economic processes and institutions around the world. This course traces the historical and theoretical perspectives that influence global environmental policy and management, explores how multiple identities (e.g. gender, culture, race, and nation) impact the experience of environmental politics, and applies these theoretical and experiential perspectives to contemporary environmental issues (e.g. climate change, resource use, energy policy, and agriculture). Credit cannot be received for both POLI 355/GEOG 355 and ENVR 355.

Purpose:

1. **For Whom (generally):** environmental science majors, environmental studies majors, political science majors, geography minors, non-majors
2. **What should the course do for the student?** This class examines environmental politics through issues, like conservation, resource use, climate change, and development. The

DEPARTMENT OF POLITICAL SCIENCE AND GEOGRAPHY
FRANCIS MARION UNIVERSITY
POLI 355/GEOG 355: GLOBAL ENVIRONMENTAL POLICY AND POLITICS
FALL 2021

INSTRUCTOR	OFFICE HOURS	CLASS TIME
Dr. Jennifer Titanski-Hooper 136 Founders Hall JTitanskiHooper@fmarion.edu	MWF 10:30-11:30 T TH 11:30-1:30 *(please put "Geog300" in your subject line)*	T Th 8:30am - 9:45am LSF L205

Required Textbook	There are no required texts for this course. Instead, **required readings will be posted on Blackboard** each week.

Course Description	Students examine how environmental processes interact with our social, political, and economic lives. This course traces the historical and theoretical perspectives that influence environmental policy and management, explores how multiple how multiple identities (e.g. gender, culture, race, and nation) impact environmental politics, and applies these theoretical and experiential perspectives to contemporary environmental issues (e.g. climate change, resource use, energy policy, and agriculture).
Learning Objectives	This class uses the geographic tools of **space, time, and scale** to examine environmental politics through issues, like conservation, resource use, climate change, and development. A geographic lens exposes how the human and natural worlds are inextricably-linked to one another, and reveals the challenges and opportunities for achieving sustainable policies and practices. By taking this class, students will: **(1)** become familiar with the traditions and perspectives of human-environment geography and politics, **(2)** develop and utilize critical reading, thinking, and writing skills, and **(3)** become more engaged global citizens.

	Assessment	Points
Grading	Attendance/Participation	50
	Quizzes	120
	Daily Discussion Questions	240
	Discussion Lead	100
	Final Reflection	50
	Total Points	*560*

	Percentage	Letter
Grading Scale	90-100	A
	86-89	B+
	80-85	B
	76-79	C+
	70-75	C
	66-69	D+
	60-65	D
	0-59	F

Final Reflective Essay (50 pts)	• Each student will write a final essay (3 pages) that reflects on the student's topic for the discussion lead, the readings they assigned, and their overall experience in leading the course. • The essay will be due in finals week. • Details can be found on blackboard.
CLASS POLICIES	
Etiquette	It is important that we all work together to create a supportive and engaging classroom environment. Disruptive behaviors will not be tolerated, and the instructor reserves the right to ask a student to leave class in these circumstances. Refer to your FMU student handbook for information about adhering to the university's honor code.
Technology	**Please turn off your cellphones or set them on silent mode when you come to class**; it is rude for our activities to be interrupted by a ringing cellphone. Similarly, text messaging will not be tolerated in class; any student found to be sending or checking text messages during class will be invited to make a choice either to cease the texting or leave the classroom. **You are welcome to use your laptop or tablet for notetaking during class**, but the instructor reserves the right to ask you to put your device away if it becomes apparent that your attention is divided, or you are using your technology to engage in social networking, check email, or otherwise perform non-class-related activities during class.
Communication	Open communication is incredibly important to the success of this course. As the instructor, I will do my best to respond to your concerns and answer any questions you have in a timely manner. It is my course policy to respond to emails **within 48 hours** of receiving them. Please keep this in mind, as you are waiting for a response. In addition to the office hours listed on this syllabus, I am happy to schedule alternate meeting times, or talk with you via Skype, so do not hesitate to ask for help. In addition to announcements in class, important course news will be posted as announcements on Blackboard, as well as sent through email. It is vital that **you check your FMU email regularly**, or have it forwarded to your personal email in order to avoid missing important news.
Academic Integrity	All students are required to follow Francis Marion University's policies regarding cheating and plagiarism. The requirements for academic integrity are discussed at length in the 2019-2020 Student Handbook. Any act of plagiarism or academic dishonesty will result in a grade of zero for the assignment in question. Especially egregious occurrences will result in a grade of zero for the entire class. All plagiarists and cheaters will be referred to the Provost for additional disciplinary action As such, it is important that you engage in scholarly activity in an open, honest, and responsible manner. Always use your own words and ideas, and cite your work appropriately! **POSTING COURSE MATERIALS:** In this class, academic integrity also extends to posting course materials, videos of lecture, exam questions, or student work online in any capacity. No materials from your peers or from the professor should be posted to any social media or other online platform without the express permission of the student or instructor.
Accommodations	FMU is committed to student success for all students. The Office of Counseling and Testing provides support for students with learning, medical, physical, and/or psychological disabilities. Please visit their website for information on services offered or scheduling an appointment (http://www.fmarion.edu/counselingandtesting/). In order to receive consideration for reasonable accommodations, you must contact the Office of Counseling and Testing. Upon receiving documentation for your accommodation, please share it with your instructors and discuss the accommodations with them as early in your courses as possible.

				-Quiz #2 due by Sunday at 11:59pm
11	11/02	Environment and Health	-Rubin, et. all, 2016	**-Daily Discussion Questions Due**
Part III: Critical Issues in Human-Environmental Relations				
	11/04	Land Use and Land Management	-TBA	**-Daily Discussion Questions Due** **-Student Discussion Lead**
12	11/09	Food and Agriculture	-TBA	**-Daily Discussion Questions Due** **-Student Discussion Lead**
	11/11	Conservation and Wildlife Management	-TBA	**-Daily Discussion Questions Due** **-Student Discussion Lead**
13	11/16	Energy Policy and Sustainability	-TBA	**-Daily Discussion Questions Due** **-Student Discussion Lead**
	11/18	Resource Extraction	-TBA	**-Daily Discussion Questions Due** **-Student Discussion Lead**
14	11/23	Fire Management and Adaptation	-TBA	**-Daily Discussion Questions Due** **-Student Discussion Lead**
	11/25	Thanksgiving Break—**No Class**		
15	11/30	Flood Management and Storm Preparation	-TBA	**-Daily Discussion Questions Due** **-Student Discussion Lead**
	12/01	-Urban Environments	-TBA	**-Daily Discussion Questions Due** **-Student Discussion Lead**
16	FINALS	Reading Day—**No Class**		
	TBA	Final Meeting Time—**TBA** Attendance is Mandatory		**-Quiz #3 due by Friday 4/30 at 11:59pm** **-Final Reflective Essay due by Friday at 11:59pm**

*** The Instructor reserves the right to modify this syllabus as appropriate throughout the semester***

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School: Political Science and Geography **Date:** 8/23/2021

Course No. or Level: POLI 101 **Title:** United States Government

Semester hours: 3 Clock hours: Lecture X Laboratory_____

Prerequisites: None

Enrollment expectation: 35 per section

Indicate any course for which this course is a (an)

Modification: *Change in course description*
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: David White

Department Chairperson's/Dean's Signature David R. White

Provost's Signature Peter King

Date of Implementation 8/24/2021

Date of School/Department approval 8/24/2021

Catalog description:

101 **United States Government** (3) An examination of United States political institutions with particular attention to the principles, processes, structure, and functions of the national government. This course includes an examination of the Declaration of Independence, the U.S. Constitution, the Emancipation Proclamation, and other documents pertinent to the founding of the United States and the African American freedom struggle.

Prerequisites:

Purpose:

Teaching method planned:

Textbook and/or materials planned (including electronic/multimedia):

Course Content:

When completed, forward to the Office of the Provost. 9/03

I. Proposal from the Department of Political Science and Geography

A. **CHANGE** the course description on page 126 of the 2021-2022 FMU Catalog

FROM:

POLITICAL SCIENCE COURSES (POL)

101 United States Government (3) An examination of the United States political institutions with particular attention to the principles, processes, structure, and functions of the national government.

TO:

POLITICAL SCIENCE COURSES (POL)

101 United States Government (3) An examination of United States political institutions with particular attention to the principles, processes, structure, and functions of the national government. This course includes an examination of the Declaration of Independence, the U.S. Constitution, the Emancipation Proclamation, and other documents pertinent to the founding of the United States and the African American freedom struggle.

RATIONALE

To help document FMU compliance with the 2021 REACH ACT which requires all graduating students at public universities to have read, in their entirety: the U.S. Constitution; the Declaration of Independence; the Emancipation Proclamation; five Federalist Papers; and at least one document foundational to the African American freedom struggle.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School: Political Science and Geography **Date:** 8/23/2021

Course No. or Level: POLI 103 **Title:** Introduction to Political Science

Semester hours: 3 Clock hours: Lecture X Laboratory_____

Prerequisites: None

Enrollment expectation: 35 per section

Indicate any course for which this course is a (an)

Modification: *Change in course description*
(proposed change in course title, course description, course content or method of instruction)

substitute_____
(The proposed new course replaces a deleted course as a General Education or program requirement.)

alternate_____
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: David White

Department Chairperson's/Dean's Signature David R. White

Provost's Signature Peter King

Date of Implementation 8/24/2021

Date of School/Department approval 8/24/2021

Catalog description:

103 **Introduction to Political Science** (3) Introductory study of the normative origins of government, structure and function of different political systems, relations between nation states, and various methods and approaches to the study of politics. This course includes an examination of the Declaration of Independence, the U.S. Constitution, the Emancipation Proclamation, and other documents pertinent to the founding of the United States and the African American freedom struggle.

Prerequisites:

Purpose:

Teaching method planned:

Textbook and/or materials planned (including electronic/multimedia):

Course Content:

When completed, forward to the Office of the Provost. 9/03

I. Proposal from the Department of Political Science and Geography

A. **CHANGE** the course description on page 126 of the 2021-2022 FMU Catalog

FROM:

POLITICAL SCIENCE COURSES (POL)

103 Introduction to Political Science (3) Introductory study of the normative origins of government, structure and function of different political systems, relations between nation states, and various methods and approaches to the study of politics.

TO:

POLITICAL SCIENCE COURSES (POL)

103 Introduction to Political Science (3) Introductory study of the normative origins of government, structure and function of different political systems, relations between nation states, and various methods and approaches to the study of politics. This course includes an examination of the Declaration of Independence, the U.S. Constitution, the Emancipation Proclamation, and other documents pertinent to the founding of the United States and the African American freedom struggle.

RATIONALE

To help document FMU compliance with the 2021 REACH ACT which requires all graduating students at public universities to have read, in their entirety: the U.S. Constitution; the Declaration of Independence; the Emancipation Proclamation; five Federalist Papers; and at least one document foundational to the African American freedom struggle.

FRANCIS MARION UNIVERSITY: DESCRIPTION OF PROPOSED NEW COURSE or MODIFICATION OF AN EXISTING COURSE

Department/School Philosophy and Religious Studies **Date** 8//21

Course No. or Level: PRS 316 / EVNR 316 **Title:** Environmental Ethics

Semester hours 3 Clock hours: Lecture 3 Laboratory 0

Prerequisites: None

Enrollment expectation: 10-15

Indicate any course for which this course is a (an)

Modification: none
(proposed change in course title, course description, course content or method of instruction)

Substitute: none
(The proposed new course replaces a deleted course as a General Education or program requirement.)

Alternate: none
(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: Matthew Turner

Department Chairperson's/Dean's Signature

Provost's Signature

Date of Implementation

Date of School/Department approval 8/24/2021

Catalog description: **316** (3) This course discusses ethics with specific reference to environmental issues. Specific issues include, among others: obligations to non-human animals, equitable distribution of scarce resources, development, and issues in environmental aesthetics.

Purpose:

1. **For Whom (generally?):** Environmental Science and Studies students, as well as any undergraduate student needing general education credit in the humanities.
2. **What should the course do for the student?** Introduce students to the basics of ethical theory and see how those theories inform solutions to specific ethical problems. Such problems include: obligations to non-human animals, pollution, use of scarce resources, problems of being inhabitants of a highly developed economy, and whether aesthetic approaches to the environment have any ethical

relevance.

Teaching method planned: Three hours of lecture and discussion, based on assigned readings. Students will further develop their understanding through writing assignments that require students to defend a particular point of view in an argumentative essay.

Textbook and/or materials planned (including electronic/multimedia):
Required Textbooks:

*Please see attached syllabus

Course Content:

*Please see attached syllabus

Rationale: This proposal outlines a plan for a new course for both Environmental Science and Studies students as well as for the general undergraduate student body. This class will be relevant for Biology and Environmental Science and Studies students, as it will offer an exploration of questions of value that are not typically addressed with more typical empirical approaches. The course will be valuable for the general student population as the subject matter addresses many pressing contemporary moral problems, as noted above, and in the proposed syllabus

When completed, forward to the Office of the Provost.

Proposal from the Department of English, Modern Languages, & Philosophy
Submitted by Matt Turner

A. **ADD on page 88 of the current catalogue:**

> **PRS 316: Environmental Ethics** (3) (Same as ENVR 316) This course discusses ethics with specific reference to environmental issues. Specific issues include, among others: obligations to non-human animals, equitable distribution of scarce resources, development, and issues in environmental aesthetics. Credit cannot be received for both PRS 316 and ENVR 316.

Rational for A. *The above class is being created to support the new Environmental Science and Environmental Studies degrees discussed above. Environmental Ethics is a crucial course those grappling with today's complex environmental issues.*

PRS [redacted] 316

Environmental Ethics

TBD

Dr. Matthew Turner
234 Founders Hall
843.661.4695
mwturner@fmarion.edu

Office Hours: Monday, 2.00 – 3.00, Wednesday, 2.00 – 3.00, and by appointment

Course Description

Environmental ethics is a broad designation for a field that addresses questions about the kind of value that the environment has, and what our obligations to that environment are. It seems natural to suppose that nature has some kind of intrinsic value, but on scrutiny, this proposition is not obviously true, because, as far as we can tell, humans are the only living species that utilizes the concept of *value*. This point then suggests that the environment's only value is *instrumental*, i.e. it is only valuable insofar as it is valuabe for human use and consumption. But while we need to utilize the resources of the environment for our survival, modern humanity faces severe consequences (climate change and its consequences in particular) because of our utilization of the Earth's resources.

This course will address this central problem in a handful of ways. First, we'll look at ethical theory, to understand how philosophers understand the concept of value itself. Next, we'll work to understand the concepts of both the environment and nature, because while these terms seem to be straightforwardly definable, our definitions of them often hide assumptions we hold about what value the environment and nature have. Third, we'll turn to some specific issues: animal rights, pollution, development, scarcity of resources, the problems of being inhabitants of a highly developed nation, among others. Lastly, time permitting, we'll turn to issues of envrionmental aesthetics, looking specifically at the question: does our aesthetic appreciation of nature or the environment have anything to do with our ethical obligations?

This course will take an interdisciplinary approach, combining classic and contemporary philosophical sources, along with other non-philosophical materials, particularly fiction, poetry, visual and environmental art.

Textbooks

Schmitz and Schahar, eds. *Environmental Ethics: What Really Matters, What Really Works*, 3d ed., Oxford University Press, 2018.
Carlson and Berleant, eds. *The Aesthetics of Natural Environments*, Broadview, 2004.
Other various readings that I'll supply throughout the term.

Evaluation

3 Papers, 3-4 pages (20% each)
Midterm Exam (20%)
Final Exam (20%)

Grading: Practices and Policies

My scale: 90-100 = A; 88-89 = B+; 80-87 = B; 78-79 = C+;70-79 = C; 68-89 = D+; 60-69 = D, 59 and lower = F.
'C' represents work that is average. I give this grade to work that completes the course requirements. 'A's'and 'B's' are reserved for work that demonstrates more effort, depth, and polish. I am happy to work with you to get the grade that you want. Keep in mind that your grade is a function of your work.
I will take attendance at the beginning of the semester to help myself associate names to faces. Although I will not automatically drop students for missing a certain number of classes, I reserve the right to do so in accordance with University policy.

asked to explain this argument on an exam. So, in order to study for the exam, you may write a flash card to test yourself on these facts, hoping to memorize them. This kind of learning is important, but represents a small fraction of what we're up to in philosophy. You need to learn to think your way through Anselm's, as well as other philosophers' arguments. Doing this does not involve rote memorization, but careful attention to the kinds of concepts that shape our worldview. It's hard, but rewarding, work.

Reading is also crucial. Come to class having read the material. Much of what I talk about will make little sense without your reading it. I realize that reading philosophy can be problematic. Philosophers communicate in an extremely idiosyncratic way, and it takes some getting used to. But you won't get anything out of it if you don't put any effort into wrestling with the material yourself. Read slowly, for comprehension, and then come ready to express agreement, confusion, astonishment, etc.

Class Schedule

TBD