

Environmental Land Use Planning and Management

URP 6421 – Fall 2020 – Online MURP

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This course surveys environmental land use planning and management practices across the breadth of the field through seven modules. Each module examines environmental concerns, associated land use planning and management goals and practices, and illustrative cases. Environmental planning is an important topic for those who want to be environmental planners, generalist planners, planners in all other specializations (e.g., transportation planners), natural resource managers, environmental policy makers, and professionals in many other environmental fields.

Modules

1. Environmental planning framework and crosscutting methods
2. Watersheds, aquifers, and wetlands
3. Landscape conservation
4. Natural hazards and climate change
5. Soils, land resources, and land use
6. Sustainable settlements
7. Adaptive ecosystem management

We will have opportunities to interact with the campus-based MURP students taking the synchronous (during class times) section of the course. The course will also connect with LAA 6382 Environmental Policy taught by Prof. Michael Volk in order to relate environmental planning and policy considerations, and bring planning and design students together to share perspectives and interests.

At the conclusion of this course, you should be able to

- Identify the environmental policy context of planning.
- Describe cross-cutting planning practices that can apply to any environmental concern.
- Explain different types of environmental concerns, and identify specific planning practices to address them.
- Integrate knowledge and planning responses across different types of environmental concerns and policies.

Each course module has specific learning objectives. Use these to guide your textbook reading, studying, and quiz preparation.

The required textbook is *Environmental Land Use Planning and Management, 2nd Edition* (2011) by John Randolph, Island Press. The LAA 6382 syllabus and optional readings concerning environmental policy will also be available on Canvas.

Our Canvas site will contain all course content, assignments, and grades. Recorded lectures, guest speakers, and other video materials provided in Canvas are required viewing. They will support the module topics and reinforce the textbook readings. Assignments will draw from all the course content.

This syllabus is subject to minor change with advance notice to students.

Instructor virtual office hours will be established in coordination with the class. Canvas email is the best initial contact to ask questions or arrange an appointment. You can also reach me at kifrank@ufl.edu.

Assignments and Grading

<i>Assignment</i>	<i>Instructions</i>	<i>% of Grade</i>
<i>Discussions</i>	Five discussions and peer feedback	10%
<i>Field Trip Podcast</i>	Conduct self-guided field trip (with social distancing), research, and create a short podcast to present to class	10%
<i>Quizzes</i>	Twelve 30-min quizzes based on the textbook readings, open-book	24%
<i>Environmental planning meeting</i>	View a virtual environmental planning meeting open to the public, and describe in a short report.	10%
<i>Case Study presentation</i>	Pair with campus-based environmental planning and policy students to give a joint (live or pre-recorded) presentation of an environmental planning-policy case.	20%
<i>Plan Evaluation</i>	Evaluate an environmental plan using each course module.	26%

The *case study and plan evaluation assignments will incorporate all course content*, such as class sessions, including those combined with LAA 6382 and guest speakers, field trips, and additional research you conduct.

An “A” grade requires demonstration of a solid understanding and application of the course topics, reflection and analysis, clear and compelling communication, proper citations and references, and timely submittal. A “B” grade is basically sound, but has a deficiency in one of the areas above. A “C” or lower grade has significant deficiencies.

Late assignments will be marked down 10% of the total grade if they are not turned in by the deadline, and an additional 10% for each week they are late. *Missed class* and *makeup work* are allowed with acceptable, documented, and prompt reasons for absence, with

communication to me as early as possible:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>. The terms of making up missed work will be determined in discussion with you.

The relationship between letter grades and numeric grades is: (≥ 94.0), A- (≥ 90.0), B+ (≥ 87.0), B (≥ 83.0), B- (≥ 80.0), C+ (≥ 77.0), C (≥ 73.0), C- (≥ 70.0), D+ (≥ 67.0), D (≥ 63.0), D- (≥ 60.0), and E (< 60.0). Where A=4.0, A-=3.67, B+=3.33, B=3.0, B-=2.67, C+=2.33, C=2.0, C-=1.67, D+=1.33, D=1.0, D-=0.67, E=0.0.

Accommodation for Students with Disabilities

To request classroom accommodation, you must first register with the Dean of Students Office. They will provide documentation and assistance.

Student Honor Code and Academic Honesty

You MUST follow the University's Honor Code. For guidance to avoid plagiarism and other Honor Code violations, see

<http://www.correspondencestudy.ufl.edu/students/handbook/Plagiarism/PlagiarismAlert.html>. *I will screen all assignments for plagiarism using the text-matching tool Turnitin (<http://turnitin.com/static/index.html>)*. You must submit work that is original to this course, unless it is used as a reference and properly cited.

Getting Help

UF provides a variety of services for distance learning students:

<http://www.distance.ufl.edu/getting-help>

About Professor Frank

I specialize in environmental planning for sustainability and resilience. Specific areas include sea level rise adaptation, ecosystem and watershed management, regional planning, rural planning, collaborative planning, neighborhood planning, and youth participation in planning. I am the director of the Florida Center for Innovative Communities. I previously worked as a planning consultant and environmental engineer. I have a doctorate in City and Regional Planning from Georgia Tech and a master's degree in Community and Regional Planning from the University of Oregon. My undergraduate majors were chemical engineering and mathematics.



Schedule

Class Date	Topics	Textbook Reading (+Canvas lectures, etc.)	Assignment due Wednesday
Week 1	Course overview and class introductions Begin intro to environmental planning		
Module 1 – Environmental Planning Framework and Crosscutting Methods			
Week 2	Introduction to environmental planning	Ch. 1-3	Quiz 1
Week 3	Collaboration Geographic information systems (GIS) Introduction to environmental policy	Ch. 4-5	Quiz 2 Discussion 1
Module 2 – Watersheds, Aquifers, and Wetlands			
Week 4	Watersheds, surface water, low impact	Ch. 7 (not append), 8	Quiz 3
Week 5	Aquifers and wetlands	Ch. 9, 10 (342-363)	Quiz 4 Discussion 2
Module 3 – Landscape Conservation			
Week 6	Species and land conservation	Ch. 10 (317-328), 11, 15	Quiz 5
Module 4 – Natural Hazards and Climate Change			
Week 7	Natural hazards	Ch. 13	Quiz 6 Discussion 3
Week 8	Self-guided field trip		Env plan meeting
Week 9	Climate change Global environmental policy	Ch. 12	Quiz 7
Module 5 – Land Resources			

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Week 10	Soils, erosion, agricultural practices	Ch. 6	Quiz 8 Podcast
Week 11	Integrated land use planning	Ch. 14	Quiz 9 Discussion 4
Module 6 – Sustainable Settlements			
Week 12	Sustainable cities	Ch. 16, 17	Quiz 10 Case study present
Week 13	Thanksgiving - No class Growth management and regional planning	Ch. 18	Quiz 11
Module 7 – Adaptive Ecosystem Management			
Week 14	Ecosystem and watershed management Course review	Ch. 19	Quiz 12 Discussion 5
Week 15	Reading day – No class		
Week 16	Finals week		Plan evaluation