

## Environmental Land Use Planning and Management

URP 6421 – Section 2749 – Fall 2019  
Thursdays 9:00am-12:00pm  
Zoom and Canvas

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ARCH 464  
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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

The course will also **join several online classes and virtual field trips 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. Thus, if this works for all students, the class will start at 9:00am to overlap with their schedule, and end at 12:00pm. We will also have opportunities to interact with the Online MURP students taking the asynchronous online version of the course.

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*, 2<sup>nd</sup> 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 assignments, including online quizzes, and grades. 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](mailto:kifrank@ufl.edu).

### **Zoom Class Etiquette**

UF policy requires us to meet during the scheduled class times. All classes will be held through Zoom. We'll divide the 3-hour class into mini sessions, including individual and small group work, and breaks, to avoid Zoom fatigue. Everyone should join class with the video camera on, at least during the first several weeks until we get to know each other. If you cannot do this, please discuss it with me.

### **Assignments and Grading**

<i>Assignment</i>	<i>Instructions (also see Canvas)</i>	<i>% of Grade</i>
<i>Attendance</i>	Virtual class attendance, including virtual field trips, is mandatory. Attendance will be taken randomly throughout the semester.	20%
<i>Weekly 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 an environmental policy student to give a joint presentation of an environmental planning-policy case.	20%
<i>Plan evaluation</i>	Evaluate an environmental plan using each course module.	26%

The *online quizzes are based solely on the textbook readings*. They are *due the day prior to class*. Since you will not have the benefit of class discussion of the topics prior to the quiz, email or meet with the instructor early if you have any questions about the readings.

*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.

### **Course/Instructor Evaluations**

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

### **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

Each class session is divided into 9:00-10:30am and 10:45am-12:00pm, with lead professor as shown. All sessions will be in ARCH 439. Unusual events, such as field trips, are shown in red.

<b>Class Date</b>	<b>Topics</b>	<b>Professor</b>	<b>Reading Due</b>	<b>Assignment due Wednesday</b>
Week 1 Sep 3	Course overview and class introductions Begin intro to environmental planning	Frank		
<b>Module 1 – Environmental Planning Framework and Crosscutting Methods</b>				
Week 2 Sep 10	Introduction to environmental policy Collaboration	Volk Frank	Ch. 1-3	Quiz 1
Week 3 Sep 17	Introduction to environmental planning Geographic information systems (GIS)	Frank	Ch. 4-5	Quiz 2
<b>Module 2 – Watersheds, Aquifers, and Wetlands</b>				
Week 4 Sep 24	Watersheds, surface water, low impact	Frank	Ch. 7 (not append), 8	Quiz 3
TBA	Field trip: Sweetwater Wetlands	Frank+Volk		
Week 5 Oct 1	Aquifers and wetlands	Volk Frank	Ch. 9, 10 (342-363)	Quiz 4
<b>Module 3 – Landscape Conservation</b>				
Week 6 Oct 8	Species and land conservation	Volk Frank	Ch. 10 (317-328), 11, 15	Quiz 5
<b>Module 4 – Natural Hazards and Climate Change</b>				
Week 7 Oct 15	Natural hazards	Frank	Ch. 13	Quiz 6
Week 8 Oct 22	Field trip (tentative)	Frank+Volk		Env plan meeting

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Week 9	Global environmental policy	Volk	Ch. 12	Quiz 7
Oct 29	Climate change	Frank		

### Module 5 – Land Resources

Week 10	Soils, erosion, agricultural practices	Case study group	Ch. 6	Quiz 8
Nov 5				

Week 11	Integrated land use planning	Frank	Ch. 14	Quiz 9
Nov 12				

### Module 6 – Sustainable Settlements

Week 12	Student presentations	Frank+Volk	Ch. 16, 17	Quiz 10
Nov 19	Sustainable cities			Case study present

Week 13	Thanksgiving - No class		Ch. 18	Quiz 11
Nov 26	Growth management and regional planning			

### Module 7 – Adaptive Ecosystem Management

Week 14	Student presentations	Frank+Volk	Ch. 19	Quiz 12
Dec 3	Ecosystem and watershed management			
	Course review			

Week 15	Reading day – No class			
Dec 10				

Week 16	Finals week			Plan evaluation
Dec 17				