

Environmental Land Use Planning and Management

URP 6421 – Section 2749 – Fall 2019
Thursdays 9:00am-12:00pm
ARCH 439

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ARCH 458
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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.

Modules

1. Environmental planning framework and crosscutting methods
2. Landscape conservation
3. Watersheds, aquifers, and wetlands
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 classes and 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, the class starts at 9:00am to overlap with their schedule (and ends at 12:00pm).

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.

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 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 office hours are by appointment. Email is the best initial contact:
kifrank@ufl.edu.

Assignments and Grading

<i>Assignment</i>	<i>Instructions (also see Canvas)</i>	<i>% of Grade</i>
<i>Attendance</i>	Class attendance, including field trips, is mandatory. Attendance will be taken randomly throughout the semester.	20%
<i>Weekly quizzes</i>	Twelve 30-min quizzes <u>online</u> based on the textbook readings, open-book	24%
<i>Environmental planning meeting</i>	Attend an 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 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 me 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 in this class are participating in the pilot evaluation of the new course evaluation system called GatorEvals. The new evaluation system is designed to be more informative to instructors so that teaching effectiveness is enhanced and to be more seamlessly linked to UF's CANVAS learning management system. Students can complete their evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Please note your other classes this semester may be evaluated in the current GatorRater online evaluation system at <https://evaluations.ufl.edu>. Thank you for serving as a partner in this important effort.

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.

Class Date	Topics	Professor	Reading Due	Assignment due Wednesday
Week 1 Aug 22	Course overview and class introductions Begin intro to environmental planning	Frank		
Module 1 – Environmental Planning Framework and Crosscutting Methods				
Week 2 Aug 29	Introduction to environmental policy Collaboration	Volk Frank	Ch. 1-3	Quiz 1
Week 3 Sep 5	Introduction to environmental planning Geographic information systems (GIS)	Frank	Ch. 4-5	Quiz 2
Module 2 – Landscape Conservation				
Week 4 Sep 12	Land conservation	Volk Frank	Ch. 10 (317-328), 11, 15	Quiz 3
Module 3 – Watersheds, Aquifers, and Wetlands				
Week 5 Sep 19	Watersheds, surface water, low impact	Frank	Ch. 7 (not append), 8	Quiz 4
Week 6 Sep 26	Aquifers and wetlands	Frank	Ch. 9, 10 (342-363)	Quiz 5
TBD Sat morn	Field trip: Sweetwater Wetlands	Frank+Volk		
Module 4 – Natural Hazards and Climate Change				
Week 7 Oct 3	Natural hazards	Frank	Ch. 13	Quiz 6
Week 8 Oct 10	Bat cave (tentative)	Frank+Volk +Meneely		Env plan meeting

Week 9	Global environmental policy	Volk	Ch. 12	Quiz 7
Oct 17	Climate change	Frank		

Module 5 – Land Resources

Week 10	Soils, erosion, agricultural practices	Frank	Ch. 6	Quiz 8
Oct 24				

Week 11	Integrated land use planning	Frank	Ch. 14	Quiz 9
Oct 31				

Module 6 – Sustainable Settlements

Week 12	Student presentations	Frank+Volk	Ch. 16, 17	Quiz 10
Nov 7	Sustainable cities			Case study present

Week 13	Student presentations	Frank+Volk	Ch. 18	Quiz 11
Nov 14	Growth management and regional planning			

Module 7 – Adaptive Ecosystem Management

Week 14	Alachua Conservation Trust field trip (tentative)	Frank+Volk	Ch. 19	Quiz 12
Nov 21	Ecosystem and watershed management			
	Course review			

Week 15	Thanksgiving break	No class		
Nov 28				

Week 16	No class – reading day			
Dec 5				

Week 17	Finals week			Plan evaluation
Dec 12				