

Environmental Land Use Planning and Management

URP 6421 – Fall 2023
Section 2749, Class # 18102
Thursdays 9:35am-12:35pm
Architecture 439

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Architecture 460
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Office hours: Wednesdays 3-4pm in person or Zoom, or by appointment

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

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. Additional materials will be provided on Canvas to relate the topics to current events.

Our Canvas site will contain all assignments, including online quizzes, and grades.

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

I am available during the weekly office hours listed above. Outside of these times, Canvas email is the best initial contact to ask questions or arrange an appointment. If needed, you can also reach me at kifrank@ufl.edu.

Class Format

UF policy requires us to meet in person during the scheduled class times (unless you have an excused absence). Since the pandemic is ongoing, vaccinations, masks, and social distancing are welcomed.

This course includes three class field trips depending on availability. Two of the field trips will occur during regular class time, but transportation to/from may extend slightly beyond class time. Accommodations can be made for scheduling conflicts with other classes or work. The other field trip will occur on a Saturday morning. The field trips will be located in or near Gainesville. Students will be responsible for their own transportation, and ride sharing is encouraged for classmates without vehicles.

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 quizzes based on the textbook readings, open-book.	24%
<i>Environmental planning meeting</i>	Attend an in-person environmental planning meeting open to the public and describe in a short report.	10%
<i>Case study presentation</i>	As a small group give a 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 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 by 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

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code.

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Conduct Code specifies a number of behaviors that are in violation of this code and the possible sanctions. To read the Conduct Code: <https://sccr.dso.ufl.edu/process/student-conduct-code/>. If you have any questions or concerns, please consult with the instructor.

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. Guidance on use of AI is forthcoming.

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/>.

Getting Help

Health and Wellness

U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit [U Matter, We Care website](#) to refer or report a concern and a team member will reach out to the student in distress.

Counseling and Wellness Center: [Visit the Counseling and Wellness Center website](#) or call 352-392-1575 for information on crisis services as well as non-crisis services.

Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or [visit the Student Health Care Center website](#).

University Police Department: [Visit UF Police Department website](#) or call 352-392-1111 (or 9-1-1 for emergencies).

UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; [Visit the UF Health Emergency Room and Trauma Center website](#).

Academic Resources

E-learning technical support: Contact the [UF Computing Help Desk](#) at 352-392-4357 or via e-mail at helpdesk@ufl.edu.

Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.

Library Support: Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352-392-6420. General study skills and tutoring.

Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.

Student Complaints On-Campus: [Visit the Student Honor Code and Student Conduct Code webpage for more information.](#)

About Professor Frank

Dr. Frank specializes in planning and engagement for sustainability, resilience, and social equity. Specific areas include sea level rise adaptation, ecosystem and watershed management, regional planning, rural planning, collaborative planning, neighborhood planning, and youth participation. She is the director of the Florida Center for Innovative Communities, which focuses on action research to design and pilot test new community engagement processes. She previously worked as a planning consultant and environmental engineer. She has 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. Her undergraduate majors were chemical engineering and mathematics.

SCHEDULE – DRAFT (see final syllabus on first day of class)

Class Date	Topics	Reading Due	Assignment due Thursday
Module 1 – Environmental Planning Framework and Crosscutting Methods			
Week 1 8/24	Course overview and class introductions Begin intro to environmental planning		
Week 2 8/31	Continue intro to environmental planning	Ch. 1-3	Quiz 1
Week 3 9/7	Collaboration Geographic information systems (GIS)	Ch. 4-5	Quiz 2
Module 2 – Watersheds, Aquifers, and Wetlands			
Week 4 9/14	Watersheds, surface water, low impact Introduce case study assignment	Ch. 7 (not append), 8	Quiz 3
Week 5 9/21	Aquifers and wetlands Water supply planning	Ch. 9, 10 (342-363)	Quiz 4
9/23 (Sat)	Field trip: Sweetwater Watershed		
TBD	Field trip: Bat Cave/Florida Aquifer		
Module 3 – Landscape Conservation			
Week 6 9/28	Species and land conservation	Ch. 10 (317-328), 11, 15	Quiz 5
TBD	Field trip: Alachua Conservation Trust		
Module 4 – Natural Hazards and Climate Change			
Week 7 10/5	Natural hazards	Ch. 13	Quiz 6
Week 8 10/12	Climate change Meeting assignment debrief	Ch. 12	Quiz 7 Env plan meeting

Week 9 *No class due to Prof. Frank conference*
 10/19 *Meet as case study groups*

Module 5 – Land Resources

Week 10 10/26	Soils, erosion, agricultural practices Intro to integrated land use planning	Ch. 6	Quiz 8
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Week 11 11/2	Integrated land use planning Intro to sustainable cities	Ch. 14	Quiz 9
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Module 6 – Sustainable Settlements

Week 12 11/9	Case study presentations Sustainable cities		Case study present
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Week 13 11/16	Case study presentations continued Intro to growth management and regional planning	Ch. 16, 17	Quiz 10
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Week 14 11/23	Growth management and regional planning Start plan evaluation assignment <i>On own, no class due to Thanksgiving</i>	Ch. 18	Quiz 11 (Sunday)
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Module 7 – Adaptive Ecosystem Management

Week 15 11/30	Ecosystem and watershed management Course review	Ch. 19	Quiz 12
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Week 16 12/7	No class (reading day)		
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Week 17	Finals week		Plan evaluation
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