

Environmental Land Use Planning and Management

URP 6421 – Section 2749 – Fall 2015
Thursdays 9:35am-12:35pm
ARCH 439

Dr. Kathryn Frank
ARCH 452 (east end of building)
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Office by appointment

In this course, we survey land use planning and management approaches for the major environmental perspectives: natural systems and biodiversity, natural resources – water and land, natural hazards and climate change, sustainable settlements, and integrated systems. For each of these perspectives, we examine the systems of concern, associated planning goals and methods, and illustrative case studies; and we demonstrate the use of cross-cutting planning tools, such as collaboration, GIS, and plans. We focus on innovations in practice and inspiring examples.

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

- Interpret any object of planning as a linked social-ecological system situated within overlapping and nested social-ecological systems.
- Describe social-ecological trends in different places and at different spatial-temporal scales, and their implications for near-term and long-term planning goals.
- Recognize and apply the major environmental perspective(s) above in any instance of environmental planning, acknowledging institutional, social, and resource constraints.
- Describe and appropriately apply a variety of planning tools – analytical, procedural, and policy/programmatic – to any environmental problem.
- Design or evaluate a planning initiative to meet an important environmental need.
- Draw upon real-world examples of environmental planning perspectives, approaches, and tools to inform practice and citizenship.

Course Format

The course has a Canvas site containing all course materials and grades. Instructor office hours are by appointment. Email is the best way to reach the instructor: kifrank@ufl.edu.

Required text: *Environmental Land Use Planning and Management, 2nd Edition* (2011) by John Randolph, Island Press.

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

Assignments and Grading

Assignment	Instructions	% of Grade	Due
<i>Attendance</i>	Come to class on time, prepared, and fully engage	15%	
<i>Weekly Quizzes</i>	Twelve in-class 20-min quizzes based on the week's readings	25%	
<i>Case Study</i>	Research, report, and present an environmental planning initiative, including process, outputs, and outcomes	15%	Sep 24
<i>Public Meeting</i>	Attend and report on one environmental planning meeting	10%	Oct 15
<i>Field Trip Presentation</i>	Conduct individual field trip, research, and present	10%	Nov 5
<i>Plan Evaluation</i>	Evaluate an environmental plan using each of the course module topics	25%	Finals week

An "A" grade requires a solid understanding and application of the course readings, lectures, and class discussions, and other materials, insights or synthesis of topics that come from reflection and analysis, clear and compelling writing/presentation, proper reference citations, and timely submittal. A "B" grade is basically sound, but has a deficiency in one of the categories 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 then an additional 10% for each week they are late (including weekends). *Missed class* and *makeup work* are allowed with acceptable, documented, and prompt reasons for absence:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>. The terms of making up missed work will be determined by the instructor in discussion with the student. Communicate with me regarding late assignments and class absences ASAP.

The relationship between letter grades and numeric grades is: (≥ 93.0), 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

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation and assistance with providing reasonable accommodation.

Student Honor Code and Academic Honesty

Students MUST follow the University's Honor Code, which includes issues of cheating, plagiarism, and honesty. Please see <http://www.correspondencestudy.ufl.edu/students/handbook/Plagiarism/PlagiarismAlert.html> for guidance to avoid plagiarism and other Honor Code violations. *I will screen all assignments for plagiarism using the text-matching tool Turnitin (<http://turnitin.com/static/index.html>).* Students must submit work that is original to this course, i.e., not the student's work from another course, unless it is used as a reference and properly cited.

About Professor Frank



I am an assistant professor in the Department of Urban and Regional Planning. I specialize in collaborative and adaptive planning processes, especially for ecosystem/watershed management, regional sustainability, and rural stewardship. Recent research projects include evaluating collaborative planning for Everglades restoration, identifying state policies that influence regional transportation planning, and conducting sea level rise adaptation planning in Florida. I formerly worked as a consultant, and as an environmental engineer for a large manufacturing company. I have a doctorate in City and Regional Planning from Georgia Tech in Atlanta and a master's degree in Community and Regional Planning from the University of Oregon. My undergraduate majors were chemical engineering and mathematics.

Schedule

<i>Date</i>	<i>Topics</i>	<i>Read Prior to Class</i>	<i>Due</i>
<i>Week 1 Aug 27</i>	Course overview and class introductions		
Module 1 – Environmental Planning Framework			
<i>Week 2 Sep 3</i>	Environmental issues, ethics, planners, and plans	Ch. 1-3	Quiz 1
Module 2 –Landscape Conservation			
<i>Week 3 Sep 10</i>	Collaboration and GIS	Ch. 4-5	Quiz 2
<i>Week 4 Sep 17</i>	Landscape conservation ecology	Ch. 10 pp. 317-328, 11, 15	Quiz 3
Module 3 – Watersheds, Aquifers, and Wetlands			
<i>Week 5 Sep 24</i>	Watersheds	Ch. 7 (not appendices), 8	Quiz 4 Case study report and presentations
<i>Week 6 Oct 1</i>	Aquifers and wetlands	Ch. 9, 10 (342-363)	Quiz 5
Module 4 – Natural Hazards and Climate Change			
<i>Week 7 Oct 8</i>	Natural hazards	Ch. 13	Quiz 6
<i>Week 8 Oct 15</i>	Climate change	Ch. 12	Quiz 7 Public meeting report
Module 5 – Land Resources			
<i>Week 9 Oct 22</i>	Land resources No class, prof. travel	Ch. 6	Quiz 8 (online) Conduct individual field trip
<i>Week 10 Oct 29</i>	Integration methods	Ch. 14	Quiz 9

Module 6 – Sustainable Settlements			
<i>Week 11</i> <i>Nov 5</i>	Smart growth communities	Ch. 16, 17	Quiz 10 Individual field trip presentations
<i>Week 12</i> <i>Nov 12</i>	Regional, state, and federal growth management	Ch. 18	Quiz 11
<i>Week 13</i> <i>Nov 19</i>	Class field trip		
<i>Week 14</i> <i>Nov 24</i>	No class - Thanksgiving		
Module 7 – Integrative Planning and Management			
<i>Week 15</i> <i>Dec 3</i>	Adaptive ecosystem management Course review	Ch. 19	Quiz 12
<i>Week 16</i> <i>Dec 10</i>	No class – reading day		
<i>Week 17</i>			Plan evaluation due at scheduled exam time