



**URP 6421**  
**ENVIRONMENTAL LAND USE PLANNING AND MANAGEMENT**

Fall 2012, Section 2749, 3 credits  
Fridays 12:50-3:50pm (Periods 6-8)  
ARCH 439

Prof. Kathryn Frank  
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392-0997/Ext. 458  
Office Hours: Mondays 3:00-4:00pm and Fridays 11:30am-12:30pm

In this course, we survey land use planning and management approaches for the major environmental perspectives: natural systems, natural resources, natural hazards, sustainable settlements, public health, and integrative management. For each of these perspectives, we examine the social-ecological systems of concern, associated planning goals and methods, and illustrative case studies; and we demonstrate the use of cross-cutting planning tools. We focus on innovations in practice and inspiring examples.

*Course Learning Objectives* – Upon completion, students 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) (see above) and goals 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 a planning initiative to meet an important environmental need, and identify and seek funding through a competitive grant application.
- Draw upon real-world examples of environmental planning perspectives, approaches, and tools to inform practice and citizenship.

### **Course Format**

See weekly schedule on page 4. The classroom agenda will generally follow

- Hour 1: Review weekly learning objectives. Instructor lecture related to reading, or guest speaker.
- Hour 2: Case of planning perspective. Student case study presentation.
- Hour 3: Application of cross-cutting planning tools.
- Last 20 minutes: Weekly quiz. Assignment progress. Learning objectives for next week.

The course has a Sakai site containing all course materials and grades. My office hours are Mondays 3:00-4:00pm and Fridays 11:30am-12:30pm, or by appointment. Otherwise, email is the best way to reach me: [kifrank@ufl.edu](mailto:kifrank@ufl.edu).

At any time, this syllabus is subject to minor change. Students will be informed of all changes as soon as possible.

**Assignments and Grading**

<b>Assignment</b>	<b>Instructions</b>	<b>% of grade</b>	<b>Due</b>
<i>Reading</i>	<i>Environmental Land Use Planning and Management, 2nd Edition (2011) by John Randolph, Island Press.</i>	See weekly quizzes	By class, see schedule
<i>Weekly quizzes</i>	Ten questions, short answer and multiple choice. Closed book. Based on the week’s readings and class lectures. Given at the end of each class.	35%	Class day for week with reading; makeup in one week if excused
<i>Case study</i>	Describe one current or recent local (North Florida) planning initiative, including process, outputs, and outcomes in 2000 words. Additional instructions are on Sakai.	15%	Oct 19 (mid-point)
<i>Case study presentation</i>	Present above case study for 15 minutes in class. Additional instructions are on Sakai.	5%	Oct 19 for slides; sign up for day to present
<i>Public meeting</i>	Attend one environmental planning meeting open to the public; describe in 1000 words. This meeting should <u>not</u> be related to your case study. Additional instructions are on Sakai.	10%	Two weeks after the meeting, no later than Nov 9
<i>Grant application</i>	Identify an environmental planning need and organization, and actual funding program. Draft a grant application to meet the need. Additional instructions are on Sakai.	35%	Dec 13, 9:30am (our final exam day)

An “A” grade requires demonstration of 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 5% of the total grade if they are not turned in by the deadline, and then an additional 5% 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.

The relationship between letter grades and numeric grades is: A ( $\geq 92.5$ ), A- ( $\geq 90.0$ ), B+ ( $\geq 87.5$ ), B ( $\geq 82.5$ ), B- ( $\geq 80.0$ ), C+ ( $\geq 77.5$ ), C ( $\geq 72.5$ ), C- ( $\geq 70.0$ ), D+ ( $\geq 67.5$ ), D ( $\geq 62.5$ ), D- ( $\geq 60.0$ ), and E ( $<60$ ). 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 Tools 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**

<b>Date</b>	<b>Topics</b>	<b>Events and assignments</b>	<b>Reading</b>
Aug 24	<b>Overview</b> Environmental perspectives, institutions, and planning	Receive all assignments	Ch. 1, 2, 3
Aug 31	<b>Natural systems, biodiversity and habitats</b> Case – Endangered species Tools – Collaboration and negotiation	First weekly quiz	Ch. 4, 11
Sep 7	Case – Ecological greenways Tools – GIS data and analyses, land acquisition and conservation easements	Guest speaker	Ch. 5, 15
Sep 14	<b>Watersheds, aquifers and wetlands</b> Case – Water quality Tools – Local regulations, education, and incentives	Self-directed field trip	Ch. 7, 8
Sep 21	Case – Water supply and recharge Tools – Green infrastructure, benefit-cost analysis, market-based policies		Ch. 9, 10
Sep 28	<b>Natural hazards and climate change</b> Case – Coastal hazards Tools – Coastal zone and plans	Guest speaker	Ch. 13
Oct 5	Case – Climate mitigation and adaptation Tools – Adaptive management, adaptation action area		Ch. 12
Oct 12	<b>Agriculture, forestry, mining, and energy</b> Case – Natural resource economy, local food system Tools – Community development	Guest speaker	Ch. 6
Oct 19	Case – Alternative energy facility Tools – Siting and impact analyses	Field trip	Ch. 14
Oct 26	<b>Sustainable settlements</b> Case – Future development Tools – Alternative scenarios		Ch. 16, 17

<i>Nov 2</i>	<p>Case – Regional sustainability, urban ecology</p> <p><i>Tools</i> – Sustainability indicators, retrofitting and redevelopment</p>	Guest speaker	Ch. 18 and review Ch. 10, 14
<i>Nov 9</i>	No class – UF Homecoming	Last day to turn in public meeting assignment	
<i>Nov 16</i>	<p><b>Integrative management</b></p> <p>Case – Watershed council</p> <p><i>Tools</i> – Public outreach, place-based organizations</p>		Ch. 19
<i>Nov 23</i>	No class – Thanksgiving		
<i>Nov 30</i>	<b>Review</b>	<p>Field trip – class picnic</p> <p>Guest speaker</p> <p>Quiz reviewing course</p>	
<i>Dec 7</i>	No class – Reading day		
<i>Dec 10</i>	No class – Finals week	Grant application due Dec 13	