

# Environmental Planning and Design Studio

LAA 4356

6 Credit Hours

Fall 2022

Monday, Wednesday, Friday, 9:00-11:30am, Arch 316

Lab days to occur on Mondays within normally scheduled class time

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Office Hours: By appointment via email or as arranged during class

Course Website: <http://lss.at.ufl.edu>

Course Communications: Questions regarding this course may be submitted via email or during class sessions.

Required Text: Chapters from LUCIS by Peggy Carr and Paul Zwick, which will be provided in digital form through the class Canvas website.

Course Description: This design studio will introduce students to decision-making at the regional scale (county-scale and larger) using GIS and land use suitability analysis techniques. Decisions made at a regional scale will be used to inform GIS analysis, decisions, and design at an individual site scale. It will build upon the principles and technologies introduced in previous lecture classes and design studios.

Prerequisite Knowledge and Skills: LAA 4353 or URP 4273.

Purpose of Course: This design studio will introduce students to decision-making at the regional scale (county-scale and larger) using GIS and land use suitability analysis techniques within a group and individual setting. In the first half of the semester, working within a multi-county study area, students will define goals and objectives for future land use decisions as they relate to suitability for conservation, agriculture, or future urban land uses. These goals and objectives will be used to guide a regional GIS analysis to identify future suitability for each of the three land use categories within the study area. Students will then work in groups to synthesize this information and create a composite land use suitability map for the study area. Finally, students will conduct individual projects in the second half of the semester based on the results of the initial regional studies.

Course Goals and/or Objectives: The primary objectives of this course are as follows:

- To develop familiarity with GIS and GIS-based suitability analysis and to apply these techniques to the process of inventory, analysis, and synthesis within a specific study area.
- To understand the influence of regional context and regional land use decisions on land use planning and design decision-making at a variety of scales.
- To explore principles of conservation ecology, agricultural land use, and urban design and their influence on regional land use planning decisions.

Teaching Philosophy: In this course we hope to foster a dynamic and collaborative learning environment for both students and instructors. Our goal is to guide students through the process of inventory, suitability analysis, and synthesis using GIS at a regional scale, while providing room for individual contributions that may enrich the process as a whole.

Instructional Methods: Course instruction will be primarily based on lectures provided during studio time and individual/group desk critiques to assess and guide progress.

#### **Grading Policies:**

Primary Tasks and Evaluation: We anticipate the following list of tasks and evaluation weightings for the semester.

<b>Tasks</b>	<b>Percent of Grade</b>
GIS Exercises - Complete a series of GIS exercises based on in-class lectures to build understanding and proficiency in ArcGIS (Individual)	10%
Task One: Inventory - Conduct basic regional character research for the study area (Group)	10%
Task Two – Develop a set of goals and objectives for the study area (Group)	10%
Task Three: Analysis - Use the goals and objectives defined in Task One to direct suitability analysis for conservation, circulation, and human uses within the study area. (Individual/Group)	25%
Task Four: Synthesis – Work within groups to identify opportunities and constraints for future use within the study area, overlaying results from the regional suitability analysis as well as existing circulation/land use patterns. (Group)	20%
Task Five – Develop individual or small group projects to focus on topics such as habitat restoration, ecotourism, trail development and transportation, and cultural	25%

resources within the study area based on the results of the suitability analysis developed in the first portion of the semester. (Individual/Small Group)	
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Grading Scale: According to Departmental Policy, Landscape Architecture majors must receive a C or better to move forward. Any grade lower than a C will require that the course be taken over again. Grading will adhere to the University of Florida Grade Policy:

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
Numeric Grade	93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0-59
Quality Points	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	0.67	0.0

**Course Schedule**

Schedule and Final Exam: A detailed schedule for this course will be provided at the beginning of the semester and will be updated as needed. The final exam for this studio will consist of a final project presentation with date to be determined. *Formal class meeting times may be subject to change and will be discussed at the beginning of the semester.* Two site visits are anticipated, one in September which will be a possible overnight trip, and a second in November, which will occur within the same day. More details will be provided in class.

**Course Policies:**

Attendance Policy: Attendance to class is mandatory. One unexcused absence is permitted. Each additional absence will lower the student’s grade by 4%. Students are requested to contact an instructor if they will not be attending the discussion session. *Cell phone use is not acceptable in class except for emergencies and should be conducted outside of the studio.*

Assignment Policy: Students are expected to complete all assignments in a timely fashion, as well as actively participate in the discussion and combined group tasks. Timely completion of all project requirements is expected. Late work will be penalized 4% per day unless there is an acceptable excuse for the late submittal. Work submitted more than one week late will not be accepted. The final presentation and all presentations leading up to the final presentation will be assembled using MS Powerpoint.

Course Technology: ESRI ArcGIS software will be available to all students at the beginning of the semester. **Each student is expected to have a minimum 100 GB external hard drive to store class GIS data and results. In addition, if you are using a Mac computer you need to begin the semester with the ability to run Microsoft Windows. Information for doing so can be obtained here:**

<https://gis.harvard.edu/blog/installing-arcgis-desktop-mac>

All course content will be available through Canvas, UF's online learning portal unless otherwise specified. All assignments are to be submitted to Canvas unless otherwise indicated.

All student work may be retained and used by the Department of Landscape Architecture unless otherwise explicitly requested otherwise by a student. No grades will be computed into the final course grade until digital submissions have been turned in as requested.

All student work may be retained and used by the Department of Landscape Architecture. Digital Copies of student work for this course must be turned in at the completion of each assignment. No grades will be computed into the final course grade until digital submissions have been turned in as requested. Please follow the directions given by the instructor as to how they will be submitted (Canvas, PDF, word file, etc.). However, all files must be named as follows:

**course# name project student name. dwg/pdf/jpg/**

Example: 3352PlantDesAssig10Smith

4ch 8ch 8ch 6characters

Use caps for separation

No spaces, hyphens, or underscoring

In cases of models and other 3-D work, digital JPG photographs should be submitted.

### **UF Policies:**

University Policy on Accommodating Students with Disabilities: Students requesting accommodation for disabilities must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

University Policy on Academic Misconduct: Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <http://www.dso.ufl.edu/students.php>.

\*\*Netiquette: Communication Courtesy: All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. [Describe what is expected and what will occur as a result of improper behavior – <http://teach.ufl.edu/docs/NetiquetteGuideforOnlineCourses.pdf>

### **Getting Help:**

For issues with technical difficulties for E-learning in Sakai, please contact the UF Help Desk at:

- [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu)
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

\*\* Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Other resources are available at <http://www.distance.ufl.edu/getting-help> for:

- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support

Should you have any complaints with your experience in this course please visit <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

*Disclaimer: This syllabus represents current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.*

### **Course 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/publicresults/>.

### **Recording Lectures**

Lectures during our class sessions may be audio and visually recorded for reference for students who cannot make it to a specific class session and for related project work in the class. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.