Course Description: Planning and resource analysis. Projects will focus on examining the application of principles of sustainable design at a variety of scales.

Objectives
Students satisfactorily completing this course will be able to demonstrate through testing and through the production of graphic and written materials the following:

Knowledge
- Develop an understanding of the interconnected and layered characteristics of a landscape.
- Demonstrate an understanding of the interrelationships and significance of natural systems to land use planning.
- Develop an understanding of various types of land uses and their impacts on natural systems.
- Develop an understanding of the Landscape architect’s role in land use planning.
- Develop an understanding of current world development issues.
- Develop a basic understanding of surveying principles.

Skills:
- Demonstrate ability to interpret mapped data (aerial photos, slope, soils, hydrology, etc.) and apply them in new mapped materials.
- Demonstrate the ability to survey site elevations and produce an accurate topographic map.
- Demonstrate the ability to create a mapped inventory of natural and manmade landscape layers for a real site.
- Demonstrate the ability to prepare a suitability analysis, establishing the framework for synthesizing design alternatives to properly align land uses with site characteristics.
- Demonstrate the ability to prepare a vulnerability analysis, establishing the framework for protection or conservation areas.
- Demonstrate the ability to incorporate principles of sustainability to a specific site project.
- Demonstrate the ability to clearly and logically communicate and defend a project planning process using a variety of media, including hand drawings, computer-aided drawings, computer 3-D models, physical models, PowerPoint slides and verbal presentations.

Values:
- Gain an appreciation of and commitment to the principles of sustainability in environmental planning and design.

Method: Studio format with lectures, site visits, field trip(s).

Readings
Required Texts: Landscape Planning; environmental applications, William M. Marsh, 4th ed. (Bookstore)
Grading System
The grading system is based on the university system; final course grade percentages are as follows:

<table>
<thead>
<tr>
<th>Assignment #</th>
<th>Description</th>
<th>Grade Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Analytical Problems</td>
<td>5%</td>
</tr>
<tr>
<td>2</td>
<td>Surveying</td>
<td>10%</td>
</tr>
<tr>
<td>3</td>
<td>Research Project</td>
<td>15%</td>
</tr>
<tr>
<td>4</td>
<td>Inventory</td>
<td>25%</td>
</tr>
<tr>
<td>5</td>
<td>Analysis</td>
<td>10%</td>
</tr>
<tr>
<td>6</td>
<td>Design Solution</td>
<td>25%</td>
</tr>
<tr>
<td>7</td>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100%</td>
</tr>
</tbody>
</table>

The professor reserves the right to adjust grade percentages as necessary based on actual course time devoted to the various projects.

Grading Standards
A= **Distinguished Work:** Work reflecting superior design, analytical and graphic ability, logically developed and presented. Changes or revisions are unnecessary or minor.
B= **Very Good Work:** Work which demonstrates a clear understanding of the processes, concepts and theory involved in the project and demonstrates above average skill in implementation, but requires some changes or revisions.
C= **Satisfactory Work:** Work which indicates a satisfactory understanding and execution of the project, but which needs moderate revisions to fully communicate and thoroughly demonstrate implementation of processes, concepts and theory.
D= **Unsatisfactory Work:** Work which is partially incomplete and/or in which the process and/or project solution is poor or inconsistent. The work would require extensive revisions.
F= **Failure:** Work which is substantially incomplete and/or demonstrates a failure to either comprehend or implement required subject matter.

(Final Grades will be assessed indicating “+” and “-” scores in relation to the stated criteria above).

Plus/Minus scores shall be awarded as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
</tr>
<tr>
<td>A-</td>
<td>87-89.99</td>
</tr>
<tr>
<td>B+</td>
<td>84-86.99</td>
</tr>
<tr>
<td>B</td>
<td>80-83.99</td>
</tr>
<tr>
<td>B-</td>
<td>77-79.99</td>
</tr>
<tr>
<td>C+</td>
<td>74-76.99</td>
</tr>
<tr>
<td>C</td>
<td>70-73.99</td>
</tr>
<tr>
<td>C-</td>
<td>67-69.99</td>
</tr>
<tr>
<td>D</td>
<td>60-66.99</td>
</tr>
<tr>
<td>F</td>
<td>&lt;60</td>
</tr>
</tbody>
</table>

Class Standards
It is expected that all students participate in class activities, complete reading assignments prior to class period, and come prepared to class so that actual work can be accomplished during the class period. Logically, therefore, you will need to comply with the following minimum standards:
1. *Always* have a notebook and pen/pencil (**Don’t ask me if you need to take notes**!)
2. *Always* bring your texts, drawing materials & equipment, and current drawings - they will not be useful if you leave them at home or in your car. Studio is the place to work.
3. *Always* arrive early or be prompt. **Class begins at 1:25. Professionalism** demands this.
4. **Attendance is required. the Magic Number is 5.** If you acquire 5 unexcused absences, your final grade is reduced one letter grade. 6 unexcused absences results in a W/F course drop.
5. *Always* stay for the entire class. Do not schedule fraternity/sorority meetings, business meetings, or other functions during class time.
6. *Always* visit the infirmary if you are ill (**you’ll recover much more quickly**) and bring me your infirmary stamped notice as a permissible excuse if you miss class due to illness.
7. *Always* feel free to communicate directly with me regarding class difficulties and/or difficulties outside of class (we all have lives outside of school). If you don’t communicate and your work suffers, I can only assume what you submit is your best effort.
**Student Work**

Students are expected to meet all deadlines. Projects turned in late up to 24 hours after the due date & time will receive a one letter grade drop. Projects more than 24 hours late will receive an F. Incomplete grades will **not** be issued. Only in circumstances of personal illness or special emergency, will this policy be altered. It is the student’s responsibility to bring any such emergency to the instructor’s attention. The School reserves the right to select and retain possession of all written and graphic student work completed for academic credit. Access to archived works will be granted to students for reproduction or short-term display.

**Equipment Needed:**

Standard drafting equipment and graphic supplies. A calculator may be useful. You will also need a network capable Windows operating system laptop computer. Software that may be useful to you this semester includes: AutoCad, Adobe Photoshop Elements (2.0 or greater), PowerPoint, Excel. **Bring your laptop.** We will be working on them in the studio; we will not be working in the computer labs. I would also recommend that you acquire a grid pad or similar gridded notebook paper for project planning purposes and one 3-ring binder for storing all of the class handouts and worksheets.

**Professionalism**

The School of Environmental Design is a professional school, preparing students to become professional landscape architects. Professional ethics and conduct are essential parts of the practice of landscape architecture. Work habits, presentation qualities, teamwork conduct, participation in the class, fulfillment of class obligations are all measures of professionalism. Because our profession is licensed to protect public health, safety and welfare, a code of professional ethics is extremely important. You can view the ASLA Code of Professional Ethics at [http://www.asla.org/about/codepro.htm](http://www.asla.org/about/codepro.htm). While in school, students are required to fully comply with UGA ethics code for academic honesty. You can view the UGA code at [http://www.uga.edu/honesty/](http://www.uga.edu/honesty/). Please note that academic honesty includes citing all sources when using quoted texts or reproduced graphics in all presentation forms (reports, plots, PowerPoints, etc.).

**Field Trips**

To assist in understanding site elements and/or principles discussed in class, at least one field trip is offered. Students always have the option to prepare a research paper in lieu of attending a field trip. Due dates for substitute research papers will always be the first class meeting following the field trip.

**Class Information**

A folder on the Caldwell server exists for this class. The folder contains a current copy of the course syllabus and schedule. The schedule may be revised from time to time. In addition to general class information, some readings and map materials will be posted in the folder for your use. In the event that the UGA bookstore does not initially have enough books for our class, as a back-up you can find your first reading in the class folder. **Please note: You will need to pay your lab fee before you can access the folder.**