

## Syllabus

---

### INSTRUCTOR

Frank M. Bosworth, Ph.D.  
Center for Emerging Media  
Office Hours Thursday 8:00AM – Noon

### GENERAL CATALOG DESCRIPTION

ARC 6933 SUSTAINABLE SITE DESIGN (3 credits)

Architecture's relationship to landscape environments. Focuses on architecture's interrelationship with the diverse fields of landscape architecture, ecology, and civil engineering

### CLASS LOCATION AND MEETING TIMES

CityLab-Orlando Studio 107  
Classes will be held Tuesdays and Thursdays time tbd

### COURSE DESCRIPTION

This class will consist of both lecture and lab components. The general structure of the class involves lectures, in-class (labs) problem solving, individual homework problems, and a case study. There 2 exams, an in-class midterm, and take-home final exam consisting of a site development problem.

### COURSE OVERVIEW

The site is where architecture begins. How we define site, how we measure or quantify the impact of the natural environment on what we plan to make, and how our intervention impacts the immediate site and the context in which the site resides is at the core of this course; by that I mean environments with people, buildings, landscapes, infrastructure, cars, and anything else that exists in our field of vision. Architects, landscape architects, engineers, developers, or anyone who intervenes in any environment by making, adding, or removing elements, by default, is altering a place. This is the fundamental premise of this course.

This course will familiarize you with the technical dimensions of site design in architecture necessary to achieve beautiful and buildable environments with the least possible impact. Topics covered in this this class are mapping, shaping the earth, geology, soils and drainage; storm water runoff, roads parking, drives, pedestrian walkways and general site design. Much of the material in this course is similar to the content covered in the "site" portion of the A.R.E., however, this course is not a primer for the site development and design portion of the exam.

### REQUIRED READINGS

All required reading is available in digital format and will be provided on CANVAS. Additional suggested readings will also be posted as the class progresses to support class discussion.

### ATTENDANCE

Students are responsible for meeting all academic objectives as defined by the instructor. Absences count from the first class meeting. In general, acceptable reasons for absences from class include illness, serious family emergencies, special curricular requirements, military obligation, severe weather conditions, religious holidays, and participation in official University activities. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) must be excused. Other reasons also may be approved. No more than one unexcused absence is permitted. More than one unexcused absence will result in being administratively dropped from the course.

### COURSE OUTCOMES

Course outcomes are the actual products and activities you attempt during the course. At the conclusion of this course you will have:

Learned to read and prepare maps and site plans, learned the basics of physical site development, completed required reading assignments, completed midterm and final exams, completed Laboratory exercises, completed a case study, completed a comprehensive notebook of the semester's work and participated in peer and self evaluation activities

## COURSE REQUIREMENTS AND EVALUATION

Completion of all required work does not guarantee *acceptable mastery of the course material*. The following definitions of letter grades are from the University General Catalog.

### Grades

Letter grades of C-, D+, D, D- or E are not considered passing at the graduate level, although the grade points associated with these letter grades are included in grade point average calculations. Please note that The University requires that a graduate student maintain a 3.0 (B) average to remain in good academic standing. Grade points are not given for S and U grades; S and U grades are not used to calculate grade point averages. All letter-graded courses eligible to count toward the graduate degree, except 1000- and 2000-level courses, are used to calculate the cumulative grade point average.

In this class, your final grade may be based on standardized scores (curving the final point values); however, minimum points for a specified grade shall be no greater than:

100-94	93-90	89-87	86-84	83-80	79-77	76-74	73-70	69-67	66-64	63-60	59-0
A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E

### GRADE POINTS

Course final grades will be based on the following:

REQUIREMENT	POINTS	PERCENT
Laboratory exercises (points vary by assignment)	250	25
Exam (in class)	150	15
Case Study	150	15
Final exam	300	30
Class Participation	100	10
Class Notebook	50	5
<b>Total points</b>	<b>1000</b>	<b>100</b>

### COURSE MANAGEMENT SYSTEM | CANVAS

Canvas is UF's Course Management System (CMS), Students are responsible for accessing the content of this course online. Whenever possible, assignments, supplementary reading, and other materials will be provided and collected in a digital format. Students are responsible for accessing the Canvas course site daily.

### EXPECTATIONS OF STUDENTS

Students are expected to actively participate in their own learning. They shall be responsible for completing all assignments and class work on time, and actively participate in class discussions and self and peer evaluation. All homework for this course is to be completed individually without assistance from others unless specifically designated a group or team project. Violations of this policy will be considered a violation of the University's Academic Honesty policy.

### INDIVIDUALS NEEDING ACCOMMODATIONS

Any student needing special accommodations due to a disability must inform the instructor at the start of the semester and mutually develop an accessibility plan.

### READING AND WRITING CENTER

All CityLab-Orlando students have access to The Reading and Writing Center, a part of the Office of Academic Technology located on main campus in Gainesville. It is located in the mezzanine area of Southwest Broward Hall. The Center offers one-on-one tutoring and writing help for both undergraduate and graduate students. The Center often helps people with application essays and personal statements for school applications. It also offers help on papers written for graduate school classes, and theses or dissertations, visit <http://at.ufl.edu/rwcenter> for more information. Phone (352) 392-6420.

### ACADEMIC HONESTY

Academic misconduct is destructive to the central purposes of the University; is demeaning to the community of scholars in the School of Architecture; is unprofessional behavior, and inconsistent with an architect's code of ethics, and is universally disdained.

***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 university requires all members of its community to be honest in all endeavors. A fundamental principle is that the whole process of learning and pursuit of knowledge is diminished by cheating, plagiarism and other acts of academic dishonesty. Therefore, the university will take severe action against dishonest students. Similarly, measures will be taken against faculty, staff and administrators who practice dishonest or demeaning behavior. See <https://www.dso.ufl.edu/scr/process/student-conduct-honor-code/> for the full text of the student honor code.

<b>Course Schedule</b>			
<b>class</b>		<b>Topic</b>	<b>Assignment</b>
<b>Week 1</b>		<b>Course Overview +Mapping</b>	<b>Lab 1 Mapping and Map Scale Contour Maps &amp; Models assigned</b>
		<b>Geology and Soils</b>	<b>Lab 1 due Lab 2 assigned</b>
<b>Week 2</b>		<b>Contours and Earthwork</b>	<b>Lab 2 due Lab 3 Measuring the Earth</b>
		<b>Roads, Parking and Drives</b>	
<b>Week 3</b>		<b>In-Class Laboratory session</b>	<b>Lab 3 work session</b>
		<b>In-Class Laboratory session</b>	<b>Lab 3 Due Lab 4 Shaping the Earth Assigned</b>
<b>Week 4</b>		<b>Stormwater Design</b>	<b>Lab 4 due Lab 5 Roads, Parking and Drives assigned</b>
		<b>Stormwater Design</b>	<b>Lab 4 work session</b>
<b>Week 5</b>		<b>Mid Term Exam</b>	
<b>Week 6</b>		<b>Project design review Site Plan Representation</b>	
		<b>Final Project Presentation</b>	<b>Lab 5 due Lab 6 Basic Site Design assigned</b>
<b>Week 7</b>		<b>In-Class Laboratory session</b>	<b>Lab 6 continued</b>
		<b>In-Class Laboratory session</b>	<b>Lab 6 due Lab 7 Stormwater Design assigned</b>
<b>Week 8</b>		<b>Site Representation</b>	<b>Lab 7 due Site Plan Representation assigned</b>
		<b>Final Exam Distributed</b>	<b>Site Plan Representation</b>
<b>Week 9</b>		<b>In-Class Laboratory session</b>	
		<b>Final Exam Due</b>	<b>Final Class Final Exam Presentations</b>