SYLLABUS

Credits:	5
Class Periods:	Tuesdays and Thursdays, Periods 2-5
Classroom:	Room 316 ARCH
Instructor:	Glenn Acomb, FASLA, Department of Landscape Architecture
Course Website:	http://lss.at.ufl.edu (E-Learning)
Office Location:	Room 434 ARCH
Communication:	Contact by email to communicate or arrange an office appointment
Office Phone:	352.392.6098 x 315
Email:	acomb@ufl.edu
Technical Assistance:	UF's Help Desk can provide assistance to students (352) 392-4357

"…When you build a thing you cannot merely build that thing in isolation, but must also repair the world about it, and within it…and the thing which you make takes its place in the web of nature."
Christopher Alexander, 1977

Prerequisites
Prerequisites include LAA 3420 and LAA 3421, or equivalent. Students are expected to possess the knowledge and skills developed in these two courses, including grading and drainage, construction documentation skills, and a working knowledge of AutoCad and Photoshop.

Course Overview
This course will reinforce the principles of design and construction, exploring advanced subjects and innovative applications in sustainable site design and green infrastructure practices. The class will be a combination of lecture and studio that will focus on the exploration of subjects through readings, exercises, independent design/construction explorations and drawing documentation.

The majority of this course will be focused on the design and documentation of a project that implements green infrastructure design on a local site.

Course Objectives
By the end of the course, students will:

- Reinforce skills in design, construction and related materials
- Understand the principles and technology of sustainability and green infrastructure
- Understand the design of green infrastructure such as bioswales, bioretention ponds, green roofs and pervious surfaces, as well as certain conventional stormwater management tools
- Be exposed to the State and Federal regulations of stormwater management
- Enhance design skills coordinated with appropriate construction documentation
- Reinforce skills in evidence-based design

Student Learning Outcomes
This course is intended to achieve the following student learning outcomes:

<u>Content Knowledge</u>
- To integrate concepts from the general body of knowledge of design and construction with a focus on green infrastructure and ethical decision-making in the built environment.

<u>Critical thinking</u>
- To combine and analyze information from multiple sources to support decision-making.

<u>Communication</u>
- To conduct and/or produce competent oral, written and visual communication.

<u>Teamwork</u>
- To work for and contribute to the success of a team and its project.

Teaching Philosophy
Green infrastructure design requires the unique integration of artful design and technology. This course will engage students in readings, research, analysis and design in order to provide students with enhanced knowledge of the technical and artful implementation of green infrastructure design. Students will apply this through readings and exercises and later focused on a larger project to be executed as a team.

Instructional Methods
Students are expected to prepare for class in advance, including the review of readings, Powerpoint presentations, and execute assignments.

The evaluation criteria by which student work will be measured include:
- Participation and Teamwork (participation in class, attention to deadlines, and working as a team)
- Craft in Communication (writing, documentation, computational skills/abilities)
- Focus on Assignment Objectives (understanding the instructional purpose of an assignment)
- Understanding the application and technology of green infrastructure

Evaluation Policies, Attendance and Class Participation
The grade for the course will be based on this approximate allocation:
- Class Participation, Cooperation and Effort – 25%
- Short Assignments (short papers/assessments) – 15%
- Final Project – 60%

Grading criteria 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

For greater detail, see the Registrar's Grade Policy regulations at
http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html

Engagement and participation in the class is important. Attendance, while important, is the responsibility of the student. Should attendance become an issue, the instructor will note student absences and will use his/her discretion to adjust the grade as follows:

Absences	Grade point deduction
5-6	5%
7-8	10%
9-10	15%
11-12	20%
And so on (5% per each 2 absences)	

Other Policies
- Arriving late (more than 15 minutes after the start of class) will result in a ½ absence.
- An assignment's grade will be lowered 10% for each day that it is late; 5% for late on the same day.
- In special situations, lateness or absence from class or late work is unavoidable and thus, excusable. These instances include serious illness, important doctor's appointments, family emergencies, etc. It is the *student's responsibility* to communicate with the instructor in writing (in advance, if possible) **or** provide explanation or verification of the reason within a week of the absence. The instructor will determine excuse validity.
- Make-up or late assignments or assessments will only be allowed *by consent of the instructor*. It is the responsibility of the student to confirm and resolve attendance records or complete make-up assignments ***prior to the last day of class.***
- During the class period, students are expected to work on the course assignments/projects (not other coursework), *nor viewing social media or videos unless allowed for use in the course.*
- Volume of computers and tablet devices will be muted or minimal (use ear phones/buds). Cellular phones will be muted for the duration of the class
- Individual assignments must be completed by the student. Violations of Academic Honesty will be handled in accordance with the Department and University regulations. This also applies to proper citation of the origin of material used (including *Internet resources*).
- Cooperation and teamwork is expected of all students. If problems arise in a team assignment, the students will be given the opportunity to resolve the conflict. If a problem persists, the instructor will resolve the problem in such a way as to protect and preserve the work of the cooperating students.
- Email will be the primary form of communication. E-Learning or Canvas will be used to provide support information and resources. It is the responsibility of the student to provide an accurate email address, as well as maintain the email connection and mailbox capacity throughout the semester.

Submission of Student Work
All student work may be retained and used by the Department of Landscape Architecture. Digital copies of work must be turned in to all assignments in the following naming convention:

> (Course#Name)(Project+Description)(Student-Lastname).(fileformat)
> Example: *4450Implemetation_Asmt3_Drainage_Lopez.pdf*

Use CAPS for separation. Use no spaces, hyphens, or underscoring. Save images in JPG format at a maximum resolution of 200 dpi.

Texts, Software and Other Resources
There is no required text. However, students should have ready access to these books:

Strom, Nathan and Woland (2009), <u>Site Engineering for Landscape Architects</u>, 5th Ed., Wiley & Sons

Harris and Dines, <u>Time Saver Standards for Landscape Architects</u>, Current Edition

Barnett, Cynthia (2007), <u>Mirage</u>, University of Michigan Press

Calkins, Meg (2010) <u>The Sustainable Sites Handbook</u>

Readings and other resource materials will be posted in the "Resources" location of E-Learning/Canvas or will be distributed by email. Students are expected to monitor their email for course announcements.

Students are expected to have access to a computer with the following software (current releases preferred):

- MSWord, Excel and Powerpoint
- Photoshop, InDesign, and SketchUp
- Virus and spyware protection software
- Adobe Acrobat or Adobe Reader

Disclaimer
As the semester progresses, there may be the need for revisions to class schedule and plans in order to enhance class outcomes.

UF POLICIES

Student Accommodations
Support services for students with disabilities are coordinated by the Disability Resource Center in the Dean of Students Office (http://www.dsp.ufl.edu/drc/). To obtain individual support services, each student must meet with a support coordinator in the Disability Resources Program who will work with the individual student

and the instructor to determine appropriate support strategies. There is no requirement for a student to self-identify his/her disability; however, students requesting classroom accommodations must register with the Dean of Students Office. Appropriate documentation regarding the student's disability is necessary to obtain any reasonable accommodation or support service.

Academic Honesty
The University requires all members of its community to be honest in all endeavors. When students enroll at UF they commit themselves to honesty and integrity. The faculty of Landscape Architecture fully expects you to adhere to the academic honesty guidelines you signed when you were admitted to UF. In completing the registration form at the University of Florida, every student has signed the following statement:

"I understand the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University."

Furthermore, on work submitted for credit by all UF students, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

It is to be assumed that all work will be completed independently unless the assignment is defined as a group project by the professor. This does not mean that students cannot help one another in learning material, but all work that is turned in must be independent work of that individual.

Misrepresentation or plagiarism, such as claiming another's work to be one's own, refers to graphic, images, and design work as well as written work. Submitting work from one course to fulfill the requirements of another (unless expressly allowed by the instructor) is also misrepresentation.

The University Honor Code and the Department of Landscape Architecture Academic Honesty Policy are to be followed to the letter. Any students found to have cheated, plagiarized, or otherwise violated the Honor Code in any assignment will be punished according to the severity of the act and may be referred to the Honor Court. It is each student's responsibility to report any infraction, and it is expected that each faculty will report all infractions as well.

For more information, see http://www.chem.ufl.edu/~itl/honor.html and the Department of Landscape Architecture Academic Honesty Policy.

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

Religious Holidays
The university calendar does not include observance of any religious holidays. The Florida Board of Governors and state law govern university policy regarding observance of religious holidays. Students shall

be excused from class or other scheduled academic activity to observe a religious holy day of their faith with prior notification to the instructor. Students shall be permitted a reasonable amount of time to make up the material or activities covered in their absence. Students shall not be penalized due to absence from class or other scheduled academic activity because of religious observances.

University's Syllabus Policy
The University's complete Syllabus Policy can be found at:
http://www.aa.ufl.edu/Data/Sites/18/media/policies/syllabi_policy.pdf

Getting Help
For issues with technical difficulties for E-learning/Canvas, please contact the UF Help Desk at:
- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- https://lss.at.ufl.edu/help.shtml

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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.

Counseling Resources
Students experiencing crisis or personal problems that interfere with their general well-being are encouraged to utilize the university's counseling resources. Both the Counseling Center and Student Mental Health provide confidential counseling services at no cost for currently enrolled students. The Counseling Center is located at 301 Peabody Hall (next to Criser Hall). Student Mental Health is located on the second floor of the Student Health Services in the Infirmary. For further information on services and how to make an appointment, call the Counseling Center at 392-1575 or Student Mental Health at 392-1171.

See the following web sites for additional resources: Counseling Center: www.counsel.ufl.edu and Student Mental Health: http://www.hsc.ufl.edu/shcc/smhs.htm

Evaluation of Faculty
Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu/results.

Course Evaluation Process
Students are expected to provide feedback on the quality of instruction in the course based on 10 criteria conducted online at https://evaluations.ufl.edu. Evaluations typically open during the last two or three weeks of the semester, but students will be given specific feedback times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu.

Course Schedule
The semester is organized in the following sequence (*subject to change as the semester progresses*):

COURSE SCHEDULE*

Week 1:   Introduction to Course; Role of the landscape architect in practice; Review of design and construction documents
Week 2:   Readings in sustainability in the built environment; Sustainable Sites Initiative; Green infrastructure
Week 3:   Overview of water resources; Water supply and consumption; Project introduction
Week 4:   Conservation in the landscape/site; Regulatory Framework; Potential local field trip
Week 5:   Green infrastructure and design applications
Week 6:   Green Infrastructure technology (continued); Potential local field trip
Week 7:   Project Research and Site Inventory
Week 8:   Present Site Inventory and Program Analysis
Week 9:   Conceptual Phase
Week 10:   Conceptual Phase
Week 11:   Design Development
Week 12:   Design Development
Week 13:   Final Design
Week 14:   Final Design
Week 15:   Final Design
Week 16:   Final Submittal/Presentation; Project Wrap-Up

*   Due to coordination of guest lectures and meetings/tours with the project sponsor, the schedule and dates of the Schedule and local field trips may change