

Spring 2018
Clemson University
School of Architecture
Landscape Architecture Program

LA 3620
Credit hours: 3
M 10:30-11:30
W 9:30-11:30

College of Arts, Architecture & Humanities

Room: Lee Hall Studio

Course Title: Landscape Architecture 3620 Design Implementation

Professors: Paul Russell
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Office Hours: Monday 11:30-12:30 by appointment

To successfully build a fine work of landscape architecture is one of the most difficult tasks in the world of design. To master the challenges of climate, site, soils, drainage, plant selection and the craft of construction, not to mention the challenges of financial, political and aesthetic concerns is arduous. Success is therefore rare.

—Peter Walker (*Visible Invisible*, introduction)

Course Description: This purpose of this course is to explore, develop and refine graphic communication, representation, and design skills on a detailed level. Through lectures, case studies, site visits, and *design build* prototyping exercises students will investigate, model and test various materials, assembly methods, and fabrication strategies.

Course Objectives: Upon completion of the this course, students will be able to:

- Establish an iterative and rigorous framework for developing design concepts into refined built works of landscape architecture.
- Develop a familiarity with construction documents, terminology, and graphic standards.
- Present graphic and written communication methods, which clearly communicate design intent.
- Enhance complex and critical thinking through design, modeling, and testing prototypes.
- Develop an understanding of various means and methods relative to material selection, fabrication, construction and successful design execution.
- Develop the ability to recognize exceptional design, craft and detailing in the execution of built work.

Attendance: You are expected to attend all classes unless you have an excused absence arranged by prior permission; have an illness, which can be verified by physician; or have a family emergency. If more than 3 unexcused absences occur, your final grade will be reduced by one letter grade. Three arrivals to class more than 5 minutes late will equate to 1 absence. If the Instructor has not arrived in class 20 minutes after the designated start time, without prior notification, students are authorized to leave.

Assignments: All work is to be handed in at the designated times. **Late submissions of work will not be accepted.**

Lateness due to campus plotting problems will be excused only if problems are university-wide; in which there will be granted an extension of one day only, allowing the opportunity to plot in Greenville.

You are expected to keep and organize all work throughout the semester in 3-ring binder. A few selected projects will be stored for use in future accreditation visits. At the end of the semester, each student will be asked to record and document all of your work digitally and submit it to the Instructor at the end of term.

Evaluation and Grading: Your grade will be based upon your performance in class exercises, projects, research presentation, and examinations; your graphic presentation, innovation, and completion of all work. Craftsmanship, attention to detail and clarity are essential to your overall evaluation on all work.

The following criteria will be used:

- **Understanding:** Grasp of the issues at hand
- **Process & Effort:** Diligence in performance of assigned tasks, innovation, and attention to detail
- **Craftsmanship:** a sign of care, interest, and skill in learning the mediums and their effective employment

The relative value of course requirements will be apportioned as shown below, subject to minor revision. Exercises & Projects weighted per length of project, quality of work, craftsmanship:

Course Projects	80%
Final Project	20%

The following standards will be used:

A=Excellent (90-100)	The work reflects significant depth of understanding and mastery of the assignments, to their full potential. The problems have been both fully developed and communicated exceedingly well graphically. This means outstanding and expertly crafted work.
B=Good (80-89)	Work shows an above-average depth of understanding. The problem solutions demonstrate an attention to detail and a consciousness of good craft. This means above-average good work.
C=Fair (70-79)	All the requirements of the assignments have been met and the problems have been solved adequately, but the solutions lack depth of understanding and development. The overall work demonstrates skills barely appropriate for this level. This means average work.
D=Poor (60-69)	The work is extremely weak and lacks full resolution of the stated problems. Craft is weak. Skills appropriate to this level have not been demonstrated. This means poor work.
F=Failed (0-59)	The work is incomplete and/or poorly portrayed. The solutions to problems evidence a lack of understanding and skills appropriate to this level, and a general lack of effort in fulfilling assignments. This mean unacceptable work and the student must repeat course to get credit.

If you wish to dispute a grade, for any reason, you must submit your argument for why the grade is not an appropriate reflection of your effort to me, in writing, for my consideration. **You must submit this promptly after the grade is given.**

Equipment

Note: AutoCAD Dwg and Vectorworks files as well as pdf's where applicable will be provided for projects and exercises. You will be required to use the laser cutter and will need to provide your own laser lens to use. See Digital fabrication lab for current laser lens specifications. Additionally, project will require the use of the wood shop. All students are responsible for meeting the safety orientation prior to using the wood shop equipment.

Required Textbook

None

Recommended Textbooks/References

Harris, Charles W. and Nicholas T. Dines, ed. 1998. *Time-Saver Standards for Landscape Architecture: Design and Construction Data*. New York : McGraw-Hill.

McLeod, Virginia. 2008. *Detail in Contemporary Landscape Architecture*: London: Laurence King Publishing.

Petschek, Peter, 2008. *Grading for Landscape Architects and Architects*. Berlin: Birkhauser.

Strom, Steven and Kurt Nathan and Jake Woland, 2009. *Site Engineering for Landscape Architects*. New Jersey: John Wiley and Sons. (5th Edition)

Zimmerman, Astrid, Editor. 2008. *Constructing Landscapes, Materials, Techniques, Structural Components*. Basel: Birkhauser.

Clemson University Academic Integrity

"As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a 'high seminary of learning.' Fundamental to this vision is a mutual commitment to truthfulness, honor, and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form."

Clemson University Disability Access

"It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities. Students are encouraged to contact Student Disability Services to discuss their individual needs for accommodation."

Syllabus Changes

The attached course calendar shows the proposed schedule; the instructor reserves the right to make changes in the syllabus or calendar throughout the course as it may become necessary.

Title IX

Title IX of the Education Amendments of 1972 (amending the Higher Education Act of 1965) is a federal gender equity law that prohibits discrimination based on sex in education programs and activities that receive federal funding. Sexual harassment, which includes sexual violence and other forms of nonconsensual sexual misconduct, is a form of sex discrimination and is prohibited under this law. Title IX states:

"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal assistance. . . ."
(20 U.S.C. section 1681)

Clemson University is committed to providing a higher education environment that is free from sexual discrimination. Therefore, if you believe you or someone else that is part of the Clemson University community has been discriminated against based on sex or if you have questions about Title IX, please contact the Clemson University Title IX Coordinator, Mr. Jerry Knighton, who is also the Director of the Office of Access and Equity, at 110 Holtzendorff Hall, 864-656-3181 (voice) or 864-656-0899 (TDD). The Title IX Coordinator is the person(s) designated by Clemson University to oversee its Title IX compliance efforts.