

Department of Landscape Architecture
College of Design, Construction & Planning
University of Florida

LAA 4362 - Design Communication
SUMMER 2018
CIRAC Lab, ARC 116
14:00 - 18:15 MW

Instructors: Huiqing "Hui" Kuang, Daniel Manley
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Hours: by appointment
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REVEALING & MODELING LANDSCAPES

Overview:

The impact of the work we do as landscape architect depends on our ability to visually convey our ideas to others (teammates, clients, consultants, the public). The means we have at our disposal are pens, pencils, paper and computers through which we explore landscapes conceptually and physically.

This course will explore drawing as a way of understanding and shaping what we experience in the landscape. We will explore drawing not only as a way to represent fully formed landscapes or ideas, but as a tool for seeing and understanding space, movement, objects and conditions. Students will be introduced to sketching, perspectival drawing and projective drawing.

The course will introduce measured drawings and 2D digital representation techniques through AutoCAD. Students then progress to working on 3D modeling with Rhino. The final project of the course will concentrate on working fluently and in an integrated way amongst Hand-sketching, AutoCAD, Adobe Photoshop & Illustrator and Rhino.

Objectives:

- To develop the ability to "see" and graphically describe landscapes.
- To develop the ability of recognize spatial relationship and to articulate the physical environment graphically.
- To develop the ability to clearly and effectively convey concepts in both analog and digital format.
- To develop the skills in 2D measured drawing through AutoCAD.
- To develop the skills in 3D modeling through Rhino.
- To advance skills in integration among computer programs and hand-sketching.
- To develop confidence in your graphic skills.

Format:

The four-hour class is divided into two sections, 2 hours per section with 15 min break in between. Demonstrations, lectures, pin-ups, field sketching and workshops will be held in these sections. We will review previous week assignment as a group (pin-up). Feedback will be provided verbally if necessary. Student work should be pinned-up before the beginning of section.

Content:

All course content will be available through CANVAS, UF's online learning portal. Students may access this site at <https://lss.at.ufl.edu/> by logging in with their UF credentials. Under LAA4362, links to the course materials will be available on the course website including the assignments, tutorials, reference, etc. All assignments are to be submitted to CANVAS unless otherwise indicated.

Grading:

Detailed grading criteria for each offering of this course can be found in the course handout for the specific instructor and semester.

Grading will adhere to the University of Florida Grade Policy:

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
Numeric Grade	100-94	<94-90	<90-87	<87-84	<84-80	<80-77	<77-74	<74-70	<70-67	<67-64	<64-61	<61-0

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 Percentages:

Assignment #1_Sketchbook	10%	Assignment #7_AutoCAD principle	8%
Assignment #2_Photoshop collage	8%	Assignment #8_AutoCAD plan & section	8%
Assignment #3_Hand-rendered plan & section	8%	Assignment #9_AutoCAD details	8%
Assignment #4_Photoshop rendered plan & section	8%	Assignment #10_Rhino essential operations	8%
Assignment #5_Experimental drawings	8%	Assignment #11_Rhino complex generation	8%
Assignment #6_Indesign board	8%	Participation	10%

Assignment Components:

Participation

Includes completion of in-class exercises, positive contributions to class, and ACTIVE involvement in class discussions/critiques/tutorial demonstrations.

Assignment #1_Sketchbook

This is a weekly sketching exercise throughout Summer C. You are required to keep a sketchbook, to fill 3 pages (6"x8") each week with your outdoor space perspectives, book reviews, tree/person/vehicular exercises, and others. The goal is to establish the habit of sketching, to train your eye and hand in representing landscapes, to draw your idea/concept down on a paper. Detail requirements see assignment handout.

Assignment #2_Photoshop collage

This assignment deals with combining photographic image components to assemble one single composite graphics, to communicate a clear design message. Detail requirements see assignment handout.

Assignment #3_Hand rendering plan & section

This assignment is to understand basic landscape design graphic(plan and section); to get familiar with color pencils, this most popular-used media in landscape design offices. You will render one landscape plan and one section for a

garden/park, using color pencils and drawing pen (if needed).

Assignment #4_Photoshop rendering plan & section

This assignment deals with basic color rendering techniques using Adobe Photoshop, with particular attention to selections, transparency, texture and layer management. Detail requirements see assignment handout.

Assignment #5_Experimetal drawings

You will go out and sketch in the field! Students are asked to study a linear park by observing/revealing a serial of sections cross the park, using 6B pencil on 11x14" drawing papers. Sections, photos and key plan will be combined into one single composite graphic to holistically present student's impression of the park. This assignment also deals with basic diagramming and analysis techniques using Adobe Illustrator, with particular attention to line, shape, symbol and layer management. Detail requirements see assignment handout. Detail requirements see assignment handout.

Assignment #6_Indesign board

Your studio work from Summer A will be composed together as one board in Adobe InDesign, for your studio design review. Detail requirements see assignment handout.

Assignment #7_AutoCAD principles

This assignment will explore the basic concepts and principles of CAD. Students will learn basic commands and techniques for digital drafting and transferring hand drawings to a CAD environment.

Assignment #8_AutoCAD plan and section

This assignment will build on the AutoCAD principles developed in the previous assignment and focus on the skills and techniques necessary to draw landscapes in plan and section.

Assignment #9_AutoCAD details

This assignment will further refine concepts and techniques in CAD for developing design details.

Assignment #10_Rhino essential operations

This assignment is to fine-tune navigational abilities through Rhino interface; to utilize basic orientation techniques, such as planar & poly-surface creation, manipulation & extraction operations, etc

Assignment #11_Rhino complex generation

This assignment to generate complex surfaces; to explore free-form modeling techniques; to edit surface by manipulating control points, etc.

Assignment Submission:

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 (Sakai, CD, PDF, word file, etc.). However, all files must be named as follows:

course# name project_student name. dwg/pdf/jpg/ai/3dm...

Example: 3352PlantDesAssig10_Smith

4ch 8ch 8ch 6ch

Use caps for separation

No spaces, hyphens, or underscoring

Class Attendance:

Attendance is required. In the event that a student is unable to attend class due to extenuating circumstances such as illness, or emergencies, the student shall notify the instructor prior (via email) to the start of class. Student must provide documentation regarding the absence (i.e. doctor's note). Failure to notify instructor of an intended absence could result in a full letter grade reduction for the final grade in the course. Three or more absences without notification or documentation will result in a failing grade for the course. Tardiness (more than 15 minutes after class begins) will count as a half absence.

All decisions regarding approved or accepted requests for absence from the class shall be at the discretion of the instructor.

Due to the nature of the course, active and engaged participation is expected and contributes to the student's final grade in the course.

Students should not use the computers unless instructed and should never use cell phones during class. The instructor reserves the right to ask disruptive students to leave, which will count as an unexcused absence.

Class Preparation:

Always make sure you have your work with you so you can participate in the in-class exercises. No accommodations or extensions will be made for students who are not prepared. In addition to having your project work with you, please make sure you are also fully prepared with any other materials needed for class *before* class starts (i.e., print-outs, rolls of trace paper, drawing utensils, etc.).

Policy For Make-up Exams or Other Miss Work:

Late submissions are strongly discouraged. Late submissions will receive a full letter grade deduction for each day past the deadline.

All assignments (both in digital and hardcopy form) are due before the start of class unless otherwise noted.

If a student suffers undue hardship and is not able to meet a submission deadline, they may make a formal request for an extension to the course instructor **prior** to the deadline. The student must email the course instructor informing the instructor of the situation that warrants consideration for an exception (death in the family, serious illness) with documentation as required by the University.

IMPORTANT: Accommodations will NOT be made due to lost data, nor will there be granted any last-minute extensions on account of workload.

Getting Help:

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

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.

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. Your instructor 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 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.

Student Accommodations:

Students with disabilities requesting classroom accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

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>

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.

Evaluations:

Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online 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>.

Disclaimer:

This syllabus represents our 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.

Readings:

Lynda Tutorials are an incredible resource available to UF students and this class will take full advantage of them.

1. AutoCAD 2016 Essential Training
2. Rhino 5 Essential Training
3. Rhino Project: Architectural Site & Envelope

Books

1. Paul Laseau, *Freehand Sketching*, Wiley, 1999
2. Grant W. Reid, *Landscape Graphics*, Revised edition, Watson-Guption Publications, 2002
3. Norman Crowe, Paul Laseau, *Visual Notes for Architects and Designers*, Wiley, 2012
4. Francis D.K. Ching, *Architectural Graphics*, VNR
5. Catherine Dee, *Form and Fabric in Landscape Architecture*, Spon Press, 2001
6. Edward Hutchison, *Drawing for Landscape Architecture*, Thames & Hudson, 2011
7. Allan B. Jacobs, *Great Streets*, The MIT Press, 1996
8. Laurie Olin, *Across the Open field*, University of Pennsylvania Press, 2000
9. Chip Sullivan, *Drawing the landscape*, Wiley, 2014

10. Diana Balmori, Drawing and Reinventing Landscape, Wiley, 2014
11. Trudi Entwistle & Edwin Knighton, Visual Communication for Landscape Architecture, AVA 2013
12. Nadia Amoroso, Representing Landscapes: A Visual Collection of Landscape Architectural Drawings, Routledge 2012
13. Bradley Cantrell & Natalie Yates, Modeling the Environment: Techniques and Tools for the 3D Illustration of Dynamic Landscapes, Wiley 2012
14. Elliot Gindis, Up and running with AutoCAD 2017: 2D and 3D drawing and modeling
15. Bradley Cantrell & Wes Michaels, Digital Drawing for Landscape Architecture, Second edition, Wiley 2015
16. Charles Waldheim & Andrea Hansen, Composite Landscapes: Photomontage and Landscape Architecture, Hatje Cantz Verlag 2014
17. Tim Richardson, Landscape and garden design sketchbooks, Thames & Hudson 2015

Software:

Adobe suite: Photoshop, Indesign & Illustrator CS5 (or higher)

AutoCAD 2013 (or higher)

Rhino 5 (or higher)

Schedule:

Week

1-5 Section A (14:00-16:00): Adobe Photoshop & Illustrator
 Section B (16:15-18:15): Field Sketching and Hand drawing

6 Adobe Indesign Board

Break!!!

7-9 AutoCAD

10-12 Rhino

Instructor

Huiqing Kuang

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Daniel Manley

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