LAA 4450
Landscape Architecture Design Implementation
UF Department of Landscape Architecture
Fall 2023

SYLLABUS

I. General Information

CLASS MEETINGS: MWF 8:30 – 11:30
LOCATION: ARC 316/318
CREDITS: 5 Credits

INSTRUCTOR: Kevin Thompson
452 ARC
Office Hours: Wednesday 1pm or by appointment
gday@ufl.edu

COURSE DESCRIPTION

In this course, students focus on integrating principles of design and construction with an emphasis on process and design development. Design process is reinforced from the earliest stages of ideation through development with a hybrid workflow that includes hand drawing, model-making and digital design exploration that leads to detailed design development including scaled representative modeling, digital construction drawings, prototype fabrication and installation.

Over the course of the semester, students will have the opportunity to engage in hands-on learning with an emphasis on communicating design intention through construction detailing. Multiple projects will include in-field implementation of both soft and hardscape installations. Students should be prepared to get their hands dirty in the studio, on site and in various fabrication environments.

PREREQUISITE KNOWLEDGE AND SKILLS

Students are required to have completed LAA3420 and 3421: Landscape Construction 1 & 2. Students are expected to have a foundational knowledge of the design process, a basic understanding of AutoCAD, and the skills developed in the prerequisite courses to produce digital and hand-drawings and models.

REQUIRED READINGS AND WORKS

All required readings and works can be found online, course reserves, or in the UF Library.

Materials and Supplies Fees: see schedule of courses.

In addition to the normal drafting supplies required of all studio courses, you will need the following materials:

TRACE PAPER
Maintain an abundant supply of **12" trace paper** (rolls). We will be sketching daily as we explore design options and it's important that you have a "big fat roll of trash" at the ready, always.

COPY PAPER
A ream of copy paper. Our hybrid workflow throughout the semester will help you develop comfort and confidence moving between hand drawings and digital representation. We will have a basic, letter-sized black and white laser printer available during our class meeting times for you to use. Please maintain a supply of paper at your desk for use in sketching and in (non-plotter) printing.

LASER PRINTER AND SCANNER
Consider picking up a **laser printer** for your desk. They're about $120. Also consider picking up a simple **flatbed scanner**. They're about $65. Both of these devices will help you reach fluency and comfort in a hybridized workflow process. Highly recommended, but not required.

PENCILS AND PENS
Regular #2 **pencils** are fine, Pentel sign **pens** (a handful), Sharpies, (another handful), Pilot Razor pens (a handful). These are standard, relatively inexpensive, stationary-grade drafting tools – you should have an abundant supply at the ready.

Colored pencils: only red and non-photo blue and a small assortment of other colred pencils for this course, have a couple of each and some way of sharpening them.

GLUE
Such as Elmer's white craft glue or Titebond wood glue. We'll be making models so you might also want hot glue, superglue and other adhesive options.

TAPE
Masking tape, clear tape – the usual assortment or your favorites.

MODEL-MAKING SUPPLIES
We will be making models throughout the semester to both explore design options and to convey design intent. Be prepared to purchase materials and supplies such as quality chip board of varying thickness, basswood, foam board, timber, etc. Plan on spending a couple hundred dollars on model supplies. We'll try to keep the costs down but please anticipate these expenses as necessary for your education (and we won't require you to spend hundreds on textbooks in exchange).

Model supplies include: Plastilina clay: (sulphur-free, 5 pounds); plaster of Paris, (USG #1. (10 pounds +/-); chipboard (various thicknesses. Quality varies); basswood and common construction timber such as SPF (Spruce Pine Fir), plywood, cedar, poplar, metal, stained glass for tile mosaic, thin set adhesive and grout, etc, (as an example). We will identify quantities and sizes/volumes on a per-project basis. In the meantime, you should have at the ready, a small collection of inexpensive and un-precious materials (cardboard, chip board, hot glue gun, etc). You will be asked to knock-together quick study models (similar to hand sketches) as we progress in our design development stages.

<u>Please do not buy vegetative material (such as colored sphagnum moss, little plastic trees,), green felt, blue epoxy or acrylic for water, or entourage figures for models. We are not building model railroads.</u>

Appropriate attire. We'll be working in the studio, in the woodshop, in the fablab, in the field and on site. When we are, you will be expected to follow standard safety protocol: closed toe shoes, gloves and safety glasses when appropriate (safety glasses are provided for use when working in the woodshop, gloves are optional when we're doing installations on site). No dangling jewelry or clothing that could get caught in machinery. Common sense but be prepared to be reminded throughout the semester. We want you safe.

Fablab access: We may have occasion to use the fablab (laser cutters, CNC mill, 3D printers). Be prepared to pay for access or services as we do, and if required, to complete the appropriate orientation if required and in a time-appropriate manner.

A working **laptop** with the following **software** is required:
- AutoCAD
- MS Office (Word, Excel and Powerpoint)
- Adobe Suite Products (Photoshop, Illustrator, In-Design)

II. **Student Learning Outcomes (SLOs)**

Each student in the LA program is expected to continuously develop:

- a range of approaches (place-based, humanistic and community-focused design) to create design od landscape environments and elements within them.
- thoughtfully provide, receive, and respond to feedback and critique as part of iterative design decision-making process including from instructors, peers, guests, clients and community member stakeholders.

At the end of this course, students will be expected to have achieved the course learning objectives (CLOs) under the program SLO headings by demonstrating the following:

CONTENT
SLO 1 – Integrate concepts from the general body of knowledge of the profession of landscape architecture in design decision-making.
CLO 1.1 –**design principles** as determinants of design (c)
CLO 1.2 – **socio-cultural concepts** as determinants of design (d)
SLO 2 – Apply core professional landscape architecture skills in design decision-making.
CLO 2.1 –iterative **design process** from ideation through construction documentation, prototyping and installation (c)
CLO 2.2 –hybridized **workflow** approaches through all stages of design through implementation (d)
CLO 2.3 – relating design intent as **technical design** decisions and details (d)
SLO 3 – Apply ethical understanding to design decision-making.

CLO 3.1 –producing place-sensitive design that includes **cultural sensitivities**, **special populations,** and **shared community values** (d)

CLO 3.2 –identify and address **sustainability** concerns in design decision-making including the selection of materials including sustainable sourcing and life-span values (d)

CLO 3.3 –recognize the value and importance in **collaboration**, and **engagement** practices (d)

CRITICAL THINKING
SLO 4 – Combine and analyze information from multiple sources to support design decision-making.
CLO 4.1 -analyze solutions and modifying approaches or design outcomes based on findings and external inputs (**analysis, client feedback, peer critique**, etc) (c) CLO 4.2 analyze decisions leading to design options and outcomes deriving from iterative **design development** approaches including sketching, technical drawing, study model fabrication and prototyping. (d) CLO 4.3 –analyze the **sustainability** implications and benefits of alternatives in design and construction approaches and processes. (d)

COMMUNICATION
SLO 5 – Produce professional visual, oral, and written communications.
CLO 5.1 –present design proposals **orally**, **in writing** and **graphically** communicating design intent through demonstration of iterative processes from ideation, through design development and design communication stages (c) CLO 5.2 –preparing a document set that **communicates design intent** (c)

(i = introduced, d=developing, c=competent)

III. Graded Work

DESCRIPTION OF GRADED WORK

Project 1 – Materials of Hardscape (10%)

Project 2 – Softscape Implementation (20%)

Project 3 – Material Explorations (15%)

Project 4 – Material Composition Study (15%)

Project 5 – Place Sensitive Design (20%)

Project 6 – Final Project (20%)

The graded work assesses the course learning objectives as follows:

Assessment Projects		SLO 1		2			3			4			5	
	CLO	1.1	1.2	2.1	2.2	2.3	3.1	3.2	3.3	4.1	4.2	4.3	5.1	5.2
1	Materials of Hardscape			o	o	o		o		o	o	o		
2	Softscape Implementation	o	o	o	o	o	o	o	o	o	o	o	o	o
3	Material Explorations		o	o	o	o	o		o	o	o	o	o	o
4	Material Composition Study	o	o	o	o	o	o	o	o	o	o	o	o	o
5	Place Sensitive Design	o	o	o	o	o	o	o	o	o	o	o	o	o
6	Final Project	o	o	o	o	o	o	o	o	o	o	o	o	o

GRADING SCALE

For information on how UF assigns grade points, visit: https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/

A	93 – 100%		C	73 – 76%
A-	90 – 92%		C-	70 – 72%
B+	87 – 89%		D+	67 – 69%
B	83 – 86%		D	63 – 66%
B-	80 – 82%		D-	60 – 62%
C+	77 – 79%		E	<60

As per department 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.

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. Please follow the directions given by the instructor as to how they will be submitted (e.g., Canvas, CD, PDF, word file, etc.). If an assignment is required to be scanned, it must be scanned; photographs of assignments are not acceptable. If a multipage PDF is requested, do NOT submit each page as a separate PDF. It must be submitted as one file. Point deductions on the assignment may result from not following submittal directions or providing incorrect submittal or file formats.

Assignments are to be submitted by the specified due date.

In general, late assignments will not be accepted. Speak to the instructor if there is a problem meeting a deadline. Exceptions for excused reasons may be granted with or without penalties at the discretion of the instructor on a case-by-case basis.

Assignment submissions may be updated and resubmitted to the Canvas site prior to a submittal deadline. Once the deadline has passed for an assignment and a submission has been made, speak with the instructor if you determine you need to resubmit the work. Penalties may apply for work submitted after the due date.

IV. Course Schedule

W1		**Approaching Implementation**
M	0821	no classes
W	0823	intro/course overview/studio setup
F	0826	woodshop orientations/Project 1 Materials of Hardscape.

W2		**Communicating Design Intent**
M	0828	Project 1 Presentations/Project 2 Softscape Implementation
W	0830	local site visit/intro/survey and analysis
F	0901	Synthesis/concept ideation/drawing set design and mock-up

W3		**Process: Ideation, Iteration, Design Development, Collaboration**
M	0904	no classes - holiday
W	0906	develop individual design concepts
F	0908	team design charette

W4		**Community Service and Engagement**
M	0911	team concept development
W	0913	team concept development
F	0915	presentations. community service – giving campaign begins.

W5		**Material Explorations. Materials of Hardscape**
M	0918	Project 3: Material Explorations
W	0920	project 3 presentations. Project 4: Materials Composition
F	0922	project development working session

W6		**Place Sensitive Design. Landscape Narrative and Placemaking**
M	0925	project 4 presentations. Project 5: Place Sensitive Design
W	0927	project development
F	0929	draft presentations and discussion – peer critique.

W7		***Fab Demo: Casting and Mold Making***
M	1002	project 5 presentations
W	1004	guest: Joy Angelhoff: Reynolds Materials
F	1006	no classes: homecoming

W8   **Workflow Studies. From Sketch to Study Model to Prototype**

M   1009   project 5 development

W   1011   project 5 presentations

F   1013   complete giving campaign. presentations

W9   Rawlings Implementation Week/CELA/West Coast FT

M   1023   project management and coordination

W   1025   in-field installation 1/2

F   1027   in-field installation 2/2

W10   **Process Documentation. Communicating Design Intent**

M   1030   begin <u>Project 6: Final Project</u>. Rapid design ideation/development

W   1101   design development. study models. draft technical drawings

F   1103   design development. study models. draft technical drawings

W11   **Project Management and Coordination**

M   1106   vignette/compositional explorations

W   1108   representative drawings/study models

F   1110   no classes. Holiday

W12   **Exhibition and Installation Design**

M   1113   complete representative drawings, draft technical set, study models

W   1115   begin fabrication

F   1117   fabrication

W13   **Process Documentation**

M   1120   fabrication

W   1122   No classes – holiday

F   1124   No classes – holiday

W 14   **Final Installation**

M   1127   complete fabrication. installation coordination

W   1129   installation day 1

F   1201   installation day 2

W15   **Final Presentations**

M   1204   Final Project documentation

W   1206   Final Project presentations

VI. Required Policies

ATTENDANCE POLICY

<u>Attendance is mandatory.</u> Students are expected to arrive, be prepared and be ready to begin work at the beginning of each class meeting.

This is a required course in a professional degree program. As such, we expect you to behave professionally. Just as you wouldn't just not show up for work, we don't expect you to just not show up for class either. If you are running late, or have an emergency, let us know as soon as possible.

This course does not allow for "unexcused" absences. Communication is critical and expected. If something comes up, email or speak to the instructor as soon as possible. Some examples of when a future accepted absence may be granted include:

- o   Illness
- o   Serious family emergency
- o   Special curricular requirements (e.g., judging trips, field trips, professional conferences)
- o   Military obligation
- o   Severe weather conditions
- o   Religious holidays
- o   Participation in official university activities such as music performances, athletic competition or debate.
- o   Court-imposed legal obligations (e.g., jury duty or subpoena)

If warranted, students shall be permitted a reasonable amount of time to make up material or activities covered in their excused absence; however, absences do not affect project deadline dates unless prior arrangements have been made.

Studio work time and desk critiques are essential to the learning experience; therefore, attendance is expected for the entire class time. During the studio (critique) portion of the course, it is expected that all students will be in attendance for the entire class and working on course assignments. Arriving late to class, leaving during class for extended durations, or leaving early from class may be considered being absent from class.

The instructor will not provide the student notifications regarding absences and tardiness. You may email the instructor should you have any questions regarding your attendance. Please schedule an office meeting for any discussions regarding attendance, tardiness, and late assignments. Do not discuss these issues with the instructor during studio time.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

STUDENTS REQUIRING ACCOMMODATION

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting https://disability.ufl.edu/students/get-started/. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

UF EVALUATIONS PROCESS

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results/.

UNIVERSITY HONESTY POLICY

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. 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 Honor Code (https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

COUNSELING AND WELLNESS CENTER

Contact information for the Counseling and Wellness Center: http://www.counseling.ufl.edu/ , 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

COURSE MATERIALS AND IN-CLASS RECORDINGS

The digital course materials provided on Canvas (e.g., lectures, assignments, quizzes, et cetera) are provided for personal study and are not intended for distribution by electronic or other means. Further distribution or posting on other websites is not permitted.

Our class sessions may be audio visually recorded. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who participate orally are agreeing to have their voices recorded. Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in

preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.