

Planting Design (11: 550:340) online

4 credit

Spring 2021 Syllabus

Instructor: Holly Grace Nelson

TA: Giovanni Caputo

Class time: Tuesday, Friday, 9:15-12:15



Campbell Hall Raingarden, UVA, NWBLA

Contact Information

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Learning Objectives

Achieve a level of competency in planting design to enable a student to enter professional practice.

1. **Communication:** Demonstrate an understanding of typical graphical communication used in current professional practice: planting plan; plant palette; plant schedules and how these documents are used for verbal design communication. P1—COORDINATE PLAN/SCHEDULE/PALETTE/DIAGRAMS: CONCEPT + TECHNICAL DRAWINGS
2. **Site Analysis:** Assess site for social and ecological conditions (neighborhood context, circulation, soil conditions, hydrology, existing plant communities, microclimate, etc.). P2 SITE ANALYSIS + DESIGN
3. **Species Selection:** Create a plant palette based upon project goals and site assessments. P2: PLANT PALETTE
4. **Planting Design:** Generate socially and ecologically appropriate planting design. PR3: DESIGN
5. **Execute**, as a group, a small/medium planting design for a client: Drumhwacket (Governor's Mansion); Urban Ag Garden.

Course Description

Planting Design plays a key role in the art of landscape architecture as it marries functional and aesthetic solutions to site/client problems. Planting Design Studio graduates students who have knowledge of the use of plants to create meaningful spaces that contribute to culture and nature. Projects require the incorporation and synthesis of knowledge from lectures and reading assignments, research, site observation and analysis, and group project critiques. Increasingly complex assignments and feedback guide students through simultaneous considerations of landscape architecture and ecological function. The semester culminates in a small-scale design-build project and the production of a class publication of the semester's work.

Expectations of Student Participation

Landscape Architecture utilizes a studio learning culture where much of your learning will occur through your active engagement with your peers – during the actual class and while working on your projects. You are expected to engage in all activities, including site visits* and analysis, group pin-ups, and project presentations. Students are expected to participate fully in the class by being prepared for each class and open to the ideas and challenges that unfold. You should read the syllabus carefully and be aware of field trips, required readings, upcoming lectures or films, and due dates. Please check your email regularly for updates.

Site Visits*/Field Trips: Field trips are suggested but not required due to covid19. It would be appreciated if students could carpool in small groups to visit local sites to assist those without vehicles; however, Google Maps and instructor videos can augment the design problem if a site visit is not possible. *Additional exercises are required in lieu of field trips (confer with instructor).*

Readings: You are expected to read selected materials prior to class and answer questions on Sakai. Required readings will be posted on the class Sakai website. These assignments are included in the Project grade.

Design-Build Projects: The design-build assignment will entail outdoor work in what may be inclement weather. Attendance and participation are highly suggested—*optional assignments required in lieu of attendance.*

Final Booklet:

Each student revises projects submissions based upon feedback to create a professional portfolio cutsheet. These sheets are combined to create a Final Publication--a class booklet of the semester’s work.

Printing: ~~Expect to print each project (including large format drawings) for feedback for revisions and for final reviews. As a professional, much of your work will be communicated with printed drawings; designing your drawings “on the screen” will often not produce the effect you desire in printed format. As in an office, your work will be reviewed and revised prior to having it presented to the client.~~ Electronic submissions due to covid19—OPTIMIZE!!

Project Reviews: Project reviews are opportunities to present your work in a professional manner, respond to questions, consider other interpretations, and gather feedback. You are expected to be at all reviews for the entire period, and you are expected to participate in the critiquing and discussion of other projects. For the class to be an engaged learning experience, you are expected not only to present thoughts/processes in your group’s projects, but to also contribute to the learning of your peers through conversations and critiques during and outside of class time. You should plan a minimum of 5 hours per week outside of class to read, write, make site visits, develop projects, and finalize presentations. Each student will assess individual contributions to group projects in a project exit survey.

Contact: It is important that all students are given the same updates and information. Most of this will occur during class lectures, but the instructors will also rely on email to the students. You are expected to check your email regularly and to participate in group teamwork.

Grading / Evaluation

The final grade will be based on the following percentages:

Project 1: Urban Ag Garden Project	20%
Project 2: Raingarden in front of Old Blake	40%
Project 3: NJ Marine State Police Headquarters, Carteret	30%
Final Booklet	10 %
Extra Credit: Drumthwacket, Urban Ag Garden Installation	

Departmental Grading Guidelines

While the assignment of grades is ultimately the purview of the instructor, the department uses the following guideline for understanding appropriate grading in its courses:

A – Outstanding –This not only means fulfilling the requirements, but impressing and going beyond the initial expectations of the project. The student has demonstrated a superior grasp of the subject matter coupled with a high degree of creative or logical expression, and strong ability to present these ideas in an organized and analytical manner.

B – Very Good – The student has demonstrated a solid grasp of the material with an ability to organize and examine the material in an organized, critical, and constructive manner. The projects and in-class performance reveal a solid understanding of the issues and related theories or literature.

C – Acceptable –The student has shown a moderate ability to grasp concepts and theories for the class, producing work that, while basically adequate, is not in any way exceptional. This performance in class displays a basic familiarity with the relevant literature and techniques.

D – Unacceptable – The work demonstrates a minimal understanding of the fundamental nature of the material or the assignment with a performance that does not adequately examine the course material critically or constructively. Students cannot graduate from the Landscape Architecture program with 2 D’s in required 550 classes.

F – Failure – The student has demonstrated a lack of understanding or familiarity with course concepts and materials. Their performance has been inadequate. Failure is often the result of limited effort and poor attendance which may indicate that the student is not in the proper field of study.

Materials

Drafting equipment (vellum, trace, drafting pens & pencils, circle templates, colored pencils, watercolors)

Use of Facilities and Equipment (2021: not applicable as Facilities are closed due to Covid19)

Studio cannot be taught without reliable facilities. But your use of the facilities is dependent upon responsible use with particular regard to the clearly established rules about their use as specified in the student handbook:

http://landarch.rutgers.edu/current_students/student%20handbook/StudentHandbook_web_SectI.pdf

These rules cover access to studio, vandalism, table assignments, personalization of workspace, smoking and drinking, use of the lockers, access to the reference collection, and basic rules governing the use of the computer lab. Failure to observe rules may result in loss of access. Access to the fabrication lab is granted after successfully passing the safety instructions. Access is monitored and can be revoked if students use tools they are not qualified for or if students do not clean after themselves.

Equipment

The student handbook also includes a section governing the use of equipment

http://landarch.rutgers.edu/current_students/student%20handbook/StudentHandbook_web_SectII.pdf

This section includes rules specifying use department equipment including of projection equipment, department cameras, and drafting equipment.

Submitted drawings, models, photographs, or written papers for any project assigned in Landscape Architecture courses are considered the property of the Department. The formatting of all digital submission must follow the department guidelines because they will be retained in its archives for exhibition and accreditation purposes.

Attendance

The Department of Landscape Architecture requires attendance in all of its classes. The individual student's development as a landscape architect is largely dependent upon two aspects of education. First is the exposure to and assimilation of a body of information that relates to the field. Second is the application of this knowledge through studio projects and problem-solving skills developed through critiques, reviews and interactions during each project.

The Rutgers Landscape Architecture curriculum is designed to develop both areas. Attendance and participation in all lectures and studios are essential if the student is to achieve his/her maximum potential. Unless a more strict policy is in place by the individual instructor, more than three unexcused absences will result in a step reduction in your semester grade. Each additional absence will result in another step reduction.

A minimum level of participation is defined as being in attendance for the entire duration of a class session. It is the student's responsibility to be in attendance at all required classes and all personal plans should be made in accordance with the schedule. Students on academic probation have NO ALLOWABLE UNEXCUSED ABSENCES. Your attendance at juries or special seminars scheduled in your design course is mandatory for the entire duration of the session.

Due Dates

Except for circumstances truly beyond the student's control, all assignments are due at the dates and times specified throughout the semester. Projects that are incomplete on the due date should still be submitted on the date it is due to receive at least partial credit. Any work submitted late will be penalized a letter grade for each day past due. Working beyond a due date is both unrealistic in a professional setting and unfair to your classmates in this course.

Academic Integrity

The intentional copying of another student's file [work] or a portion of a file [work] and representation of the work as your own work is in direct violation of the University Integrity Policy: Plagiarism is the representation of the words or ideas of another as one's own in any academic work.

Facilitating Violations of Academic Integrity: It is a violation of academic integrity for a student to aid others in violating academic integrity. A student who knowingly or negligently facilitates a violation of academic integrity is as culpable as the student who receives the impermissible aid, even if the former student does not benefit from the violation.

As a result, any copying and/or "sharing" of exercises, homework assignments, and projects will be treated as Level 2 violations and subject to the sanctions as outlined in the Integrity Policy:

1. A failing grade on the assignment.
2. A failing grade for the course.
3. Disciplinary warning or probation.

Repeat violations will be treated as separable Level Three violations and referred to the AIF of the school for adjudication.

Please refer to the complete Integrity Policy at: <http://academicintegrity.rutgers.edu/integrity.shtml>.

340: Schedule (subject to change)

	Class	Project	Opt. Field Trip	Assignment
Week 1 1.19, 22	Kelley Forsyth: Color How to use plant website resources Virtual Site Visit 1.22 Arianna Lindberg: Vegetables Kelly Forsyth: Potager Garden	PR1: URBAN AG GARDEN In Class: color collage	Martin Hall	Due 1.19: in-class color collage Due 1.25: abstract color diagram, plant schedule + palette, bloom chart
Week 2 1.26, 29	Model Working Session Working Session			Due 1.30: Models Work on Planting Plan, Bloom Diagrams
Week 3 2.2	NJASLA--No class			Due 2.4: Final Project
2.5	2.5 URBAN AG REVIEW			Due 2.8 Finalize PR1 Booklet entry Submit to Canvas & upload package to R drive.
Week 4 2.9, 12 Lunar New Year	-Form, Texture, Color, Scale; Case Studies -John Dighton: Living Soils	PR2: BLAKE HALL LIVING LABORATORIES: RAINGARDEN, ETC.	Blake Hall	Due 2.15: Case Study:
Week 5 2.16, 2.19	-Ciorlian: calculations, soils -Ciorlian: plant schedule N. Creek Nursery sections			Due 2.20- Site Engineering: calculations - Plant criteria—start plant schedule
Week 6 2.23, 26	-Design Concepts -Pinup + Revise			- 2 concepts for pinup Due 3.1- Revised final concept + 2 sketches/ concepts
Week 7 3.2, 5	-Form, Texture, Color, Scale PPT -Height/Plant Elevations, Planting Plans & Schedules			Due 3.4 Planting Concept Plan—on trace (upload jpeg) -work on Plant Schedule
Week 8 3.9, 12	Working Sessions			Due 3.8- Plant Schedule, Plant Palette: upload - Planting Plan, Perspectives
Week 9	SPRING BREAK/			finalize deliverables—due 3/22.
Week 10 3.23	3.23 BLAKE HALL REVIEW			Due 3.25 Finalize PR2 Booklet entry Submit to Canvas & upload package to R drive.
3.26	3.26 SITE VISIT: Carteret	PR3: NJ STATE MARINE POLICE STATION	Carteret Marine Police	2 concept plans
Week 11 3.30, 4.2	3.30 Pinup 2 concepts 4.2 Land FX Guest Lecture			Due 3.29: 1 Concept plan Due 4.5 - Plant Schedule
Week 12 4.6, 9	Workings sessions*			Due 4.8 - Plant Schedule + Palette - Planting Plan
Week 13 4.13, 16	Working Sessions		Order plants SCOOP + DUMP?	Due 4.16- Bloom Diagrams+ Planting Plan Due 4.19: Finalize deliverables
Week 14 4.20	4.23 MARINE POLICE REVIEW			Due 4.22: Finalize PR3 Booklet entry Submit to Canvas & upload package to R drive.
4.23	INSTALLATION: Drumthwacket		Drumthwacket, The Governor's Mansion	Prepare Booklet
Week 15 4.27, 30	INSTALLATION: Raingarden/ Urban Ag Garden		Blake Hall	Prepare Booklet Finalize Booklet
				POSSIBLE OPTIONAL MARINE FIELD TRIP

*4/9-11 LABash

Reading List (selected chapters will be posted on Sakai)

Text Books

Rainer, Thomas and Claudia West, Planting in a Post-Wild World (chapters on Sakai)

Collins, Beryl Robichaud, Plant Communities of New Jersey: A Study in Landscape Diversity

Supplemental Reading List

Arnold, Henry, Trees in Urban Design

Austin, Richard, Design with Plants

Austin, Richard, Elements of Planting Design

Diblik, Roy, The Know Maintenance Perennial Garden

Dirr, Michael, Hardy Trees and Shrubs: An Illustrated Encyclopedia

Dirr, Michael, The Interactive-Manual and Photo-Library of Woody Landscape Plants

Hobhouse, Penelope. Colour in Your Garden

Oehme, Wolfgang, and James van Sweden, Bold Romantic Gardens

Oudolf, Piet, and Noel Kingsbury, Designing with Plants

Oudolf, Piet, and Henk Gerritsen, Dream Plants for the Natural Garden

Van Sweden, James, Gardening with Nature

Materials for Class

Drafting equipment, lots of trace, colored pencils