

## LAR 612: Design Studio V

Tuesday, Thursday: 9:00 AM – 12:50 PM  
Architecture, 3<sup>rd</sup> Floor, Studio/Tri-West

Instructor: Professor Bo Yang  
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Office Hours: As needed by appointment  
Office Location: Architecture 303K

### Course Description

LAR 612: Design Studio V is a required studio course in the Master of Landscape Architecture curriculum. This semester the class will respond to the 2018 EPA Campus RainWorks Challenge design competition RFP. Specifically, the class will explore alternative solutions for the University of Arizona's campus stormwater management using green infrastructure approach and strategies. This studio course will introduce the planning, design, and policy aspects of green infrastructure implementation in sustainable development. The course will focus on water-sensitive design approaches for stormwater management through lectures, homework assignments, discussions, field trips, and a final studio project submission to the 2018 EPA Campus RainWorks Challenge design competition.

### *EPA Campus RainWorks Challenge 2018 RFP*

<https://www.epa.gov/green-infrastructure/2018-campus-rainworks-challenge-competition-brief>

Registration: September 30, 2018

Deadline for Entries: December 14, 2018

Winners Announced: Spring 2019

### Course Objectives

- Gain factual knowledge (terminology, classifications, methods, trends) about green infrastructure planning and design.
- Learn fundamental principles and applications of green infrastructure.
- Learn to apply course materials to improve rational thinking, problem solving and decision making.
- Develop specific skills and competencies in design and landscape performance benefit assessment or forecast.
- Acquire skills in working with others as a member of a team.

### Course Format and Teaching Methods

Class consists of lectures/technical modules and studio sessions. Lectures focus on concepts and applications of green infrastructure. Several small studio projects (in-class exercises) will be issued during the semester. Students will work in teams to tackle the final studio project (EPA Campus RainWorks competition) using the University of Arizona campus as the site. Students will present their projects to peers and internal/external jury members.

### Required or Special Materials

Tracing paper, tape, pencil, eraser, Engineer's scale, and scientific calculator. Flash drive or hard drive with storage capacity of 10 gigabits or above (available at University Bookstore). You are encouraged to bring your

personal notebook PC. Digital course materials such as lectures, handouts, homework assignments and supplemental readings will be stored in D2L. You need to check on new releases regularly and download them for use.

### Grading Scale and Policies

Grading is based on the following scale:

90-100	=	A
80-89	=	B
70-79	=	C
60-69	=	D
<60	=	E

Distribution of points

Project 1:	15 points (poster 10 points; presentation 5 points)
Project 2:	15 points (poster 10 points; presentation 5 points)
Project 3:	70 points (midterm 30 points; final 40 points)
Total:	100 points

Class attendance is mandatory for this course. Each student is required to attend all the lectures and studio sessions.

**Requests for incomplete (I) or withdrawal (W)** must be made in accordance with University policies, which are available at <http://catalog.arizona.edu/policy/grades-and-grading-system#incomplete> and <http://catalog.arizona.edu/policy/grades-and-grading-system#Withdrawal> respectively.

### Absence and Class Participation Policy

The University of Arizona's policy concerning Class Attendance, Participation, and Administrative Drops is available at: <http://catalog.arizona.edu/policy/class-attendance-participation-and-administrative-drop>. The University of Arizona's policy regarding absences for any sincerely held religious belief, observance or practice will be accommodated where reasonable, <http://policy.arizona.edu/human-resources/religious-accommodation-policy>. Absences pre-approved by the University of Arizona Dean of Students (or Dean Designee) will be honored. See: <https://deanofstudents.arizona.edu/absences>. Participating in the course and attending lectures and other course events are vital to the learning process. As such, attendance is required at all lectures and discussion section meetings. Students who miss class due to illness or emergency are required to bring documentation from their health-care provider or other relevant, professional third parties. Failure to submit third-party documentation will result in unexcused absences.