

# Technologies II, LA 366

Spring 2018

Arica Duhrkoop-Galas and Justin Kau, GE  
Tuesdays and Thursdays, 10:00-11:50

Prerequisite: Tech I, LA 362  
4 Credits

This course explores landscape materials, aesthetic and engineering properties, and basic structures while developing graphic skills relevant to the design process – from schematic concept to communication of design intent to construction documentation.

## The Schedule:

Tuesday	Thursday
4.03 Introduction & Journaling	4.05 Detail mechanics & Lettering
4.10 Soils & Engineering <b>Assign 1 due: pictures</b>	4.12 Foundations & Connections
4.17 Wood <b>QUIZ</b>	4.19 Masonry: Stone
4.24 Masonry: Brick <b>Assign 2 due: stone masonry</b>	4.26 Masonry: Concrete
5.01 Concrete & Asphalt <b>Assign 3 due: brick/conc. masonry</b>	5.03 Metal, Glass, Plastic
5.08 <b>MIDTERM EXAM</b>	5.10 Stairs, Ramps, Curbs
5.15 Walls <b>Assign 4 due: stairs</b>	5.17 Fences, Screens
5.22 Wooden structures <b>Assign 5 due: fences/screens</b>	5.24 Decks, bridges, platforms
5.29 Horticultural bldg. systems <b>Assign 6 due: wooden structures</b>	5.31 Stormwater technologies Pinup/Final Prep.
6.05 R E V I E W      W E E K	6.07 /   N O      C L A S S

**FINAL PROJECT DUE    9:30 am, Tuesday June 12**

**Grades:** Grades will be based on six journal assignments (120 points), six lettering pages (30 points), a final project (80 points), one quiz (40 points), and a mid-term exam (60 points).

**Required books:**

Landscape Architectural Graphic Standards, Leonard J. Hopper, 2007.

**Optional books:**

Sustainable Landscape Construction: A Guide to Green Building Outdoors, 2<sup>nd</sup> Ed., J. William Thompson and Kim Sorvig, 2007.

Constructing Landscape: Materials, Techniques, Structural Components, Astrid Zimmerman, 2009.

**Additional resources:**

Materials for Sustainable Sites, Meg Calkins, 2008.

Graphic Guide to Site Construction, Rob Thallon and Stan Jones, 2003.

Landscape Construction, David Sauter, 2010.

Landscape Architecture Construction, Landphair & Klatt, 1998.

The Greenroof Manual, Snodgrass & McIntyre, 2010.

Timesaver Standards for Landscape Architecture, Charles Harris and Nicholas Dines, 1998.

**Learning objectives**

Upon completion of the course with a satisfactory grade students will be able to:

- analyze built works through sketchbooks and make inferences about their construction
- understand basic principles of soils and engineering relative to landscape structures
- apply knowledge of building materials and vocabulary to drawing construction details
- specify standard construction methods for typical landscape structures
- properly apply line weights to help clarify detailed materials
- redline details and provide corrections
- hand letter

If you have a documented learning disability and anticipate needing accommodations in this course, please make arrangements to meet with Arica soon. Please request that the Counselor for Students with Disabilities send a letter verifying your disability.