Syllabus
Winter 2021

LA 362 - Tech 1
Grading & Drainage aka Earth & Waterworks

Time       Tuesday/Thursday | 12:15 pm - 1:45 pm       Office Hours  Wednesday 9:00 - 11:00
            calendly.com/mgeffel

Credits    6

Location   Remote instruction, optional in-person field trips in Eugene

Instructor Michael Geffel
Department of Landscape Architecture
Lawrence Hall, Room 214
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Prerequisites None, although class is taught concurrently with LA 4/539 Landform Studio

Course Description The earth is one of the fundamental materials of landscape. Through the design of
topography, landscape architects construct the underlying infrastructure for human
movement, water flow and plant growth. Soil design guides plant ecology and is
an essential to the performance of green infrastructure. Beyond these functional
aims, earthworks allow landscape architects to create sculpture at a monumental
scale and choreograph complex spatial experiences. As the second course in the
Landscape Materials and Construction sequence, this class will provide in-depth
instruction on the techniques, mathematics and documentation of grading. Weekly
workshops will parallel the Landform studio culminating with a grading plan of the
final studio design.
Class Format
Class meeting times will be organized around live presentations and technical workshops. Outside of class time, students are required to review readings and complete assigned projects.

Grading
This class is offered for a letter grade and is a required course for BLA and MLA students.

Readings
Required
Site Engineering for Landscape Architects, 6th Edition / Strom, Nathan and Woland (L.A.R.E. Reference List Reading)

Optional
Landscape Site Grading Principles: Grading with Design in Mind, 1st Edition / Sharky (Digital Copy provided on Canvas)