HORT 370 Landscape Irrigation
Wednesday 9 to 9:50 am
Room 102- Shepardson Bldg.

Instructor
Zach Johnson, Associate Professor
Room 208 Shepardson Building
970.491.2835
z.johnson@colostate.edu
Office hour- Tuesday 1 pm

Lecture and Topics
This class will focus on the design and installation of residential and small scale commercial irrigation systems. Additionally, water conservation and management techniques will be discussed, as well as emerging technologies in irrigation.

Below are topics to be covered in this class.

- Irrigation terms, vocabulary and equipment
- System layout and construction
- System design- pipe routing and head layout
- Drip irrigation
- Subsurface irrigation
- System engineering- pressure considerations and system capacities
- Water conservation and auditing
- Implications of plant material selection
- Central control systems
- System repair, winterization and start-up
- Estimating irrigation costs
- Plan preparation

Text
Information, references, etc. will be distributed in class via RamCT.

Required Equipment
Engineer’s and Architect’s scales
Drawing triangle and drawing compass

Grading Methods
Quizzes and tests will be graded on a point system. The total available points will be clearly indicated on these quizzes and test. Assignments will be given and reviewed in class but will not be applied to your grade. Attendance at every class is expected.

Quizzes and class participation will be worth 10% of your total grade.
Midterm examination will be worth 45% of your grade.
Final examination will be worth 45% of your grade.