



WQT 261 Water Distribution Systems

Course Description

This course covers water distribution system operation and maintenance and the fundamentals of fluid mechanics.

Course Learning Outcomes (CLOs)

Students who successfully complete this course will:

1. Demonstrate knowledge of water distribution system operation and maintenance
2. Describe the relationship between absolute, gauge and atmospheric pressure.
3. Compute the forces on submerged surfaces.
4. Demonstrate knowledge of the principles of energy conservation to fluid flow.
5. Calculate the flow of fluids in closed systems.

Topics

1. Water Distribution Overview and Storage
2. Distribution System Facilities
3. Water Quality
4. Operation and Maintenance
5. Disinfection
6. Safety
7. Administration
8. Laboratory
9. Plant Operation