



EGR 249: Distribution Systems

This course is designed to provide students with the knowledge necessary to work on distribution systems needed to provide drinking water to a community. Students will learn what a public water systems is, the importance of its proper operation, regulatory requirements, and the ethics required of an operator, the components, equipment and operation of a distribution system, the monitoring of the water quality in the system, and the administrative duties required. This course will prepare students for taking the Massachusetts Distribution Certification Examinations. Three lecture hours per week.

Course Student Learning Outcomes

Upon successful completion students will be able to: 1. Define what a public drinking water system is and why it is important to run the system properly. 2. Describe the different components of a distribution system. 3. Describe the equipment needed and the operation and maintenance of the equipment. 4. Perform tests to determine the water quality of the drinking water in the system. 5. Define the administrative tasks required.

Credits: 3

Program: Engineering