

Introduction to Water Transmission and Distribution

Course Overview

This course is designed to provide a foundational understanding of Water Transmission and Distribution, system maintenance and inspection, and the safety of the public water supply. Course material consists of reading assignments, video lectures, review questions, study problems and lesson quizzes.

Course completion requires that the student successfully complete each component of each individual lesson. Review questions and written assignments must be submitted either online or uploaded in a Word document for the professor's review. Lesson quizzes have a minimum passing score of 70%.

Upon successful completion of the course requirements, students will receive a certificate of completion for the *Introduction to Water Transmission and Distribution* course, which is applicable toward a Certificate in Water Treatment Technology from American Water College.

Required Texts

Textbook: *Water Transmission and Distribution*, Principles and Practices of Water Supply Operations series

Edition: Fourth Edition

Author: Larry W. Mays

ISBN: 1-58321-781-9

Workbook: *Water Transmission and Distribution Student Workbook*, Principles and Practices of Water Supply Operations series

Edition: Fourth Edition

ISBN: 1-58321-800-9

Educational Objectives

- To provide students with an overview of system design, operation and maintenance
- To provide students with a foundational knowledge of types of equipment used to transmit and distribute water
- To acquaint students with the principles of water storage and safety
- To provide students with a foundational knowledge of pumps, pumping stations, operation, safety, record keeping and maintenance

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- To acquaint students with valves and hydrants, their inspection, installation and maintenance
 - To provide a foundational overview of motors and engines used in water transmission and distribution
 - To acquaint students with the instrumentation and control of a water distribution system

Evaluation

Students will be graded on their performance on each lesson quiz, and their course participation. Unless each unit is completed, the student will not be permitted to advance to the next lesson, and the student will not be awarded credit for completion until all assignments, quizzes and lectures are completed. Please contact our office with any questions.

Support

Students can contact our student support staff with any course-related, content-related or technology-related inquiries. Our office hours are Monday-Thursday, 9 to 5 PST, and Friday 9-12 PST.

Contact Info:

Phone Number: (661) 940-1133

General Course Inquiries: Info@americanwatercollege.org

Student Support Manager direct email: Amy@americanwatercollege.org

IT Manager direct email: Katie@americanwatercollege.org

Additionally, students are encouraged to contact their professor directly with any questions or comments.