

# **Advanced Water Transmission and Distribution**

## **Course Overview**

This course is designed to provide an advanced 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 Advanced 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 acquaint students with water metering, meter testing, maintenance and repair, and meter reading
- To provide students with a foundational knowledge of backflow prevention and the reasons for cross-connection control
- To acquaint students with water mains, installation and safety
- To provide students with a foundational knowledge information management and record-keeping responsibilities

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- To acquaint students with threats to the public water supply, vulnerabilities in the public water supply, and emergency response plans
- To provide a foundational understanding of public relations and the importance of an informed public

## 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](mailto:Info@americanwatercollege.org)

Student Support Manager direct email: [Amy@americanwatercollege.org](mailto:Amy@americanwatercollege.org)

IT Manager direct email: [Katie@americanwatercollege.org](mailto:Katie@americanwatercollege.org)

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