

Water Quality

Course Overview

This course is designed to provide an overview of water quality regulations, methods of compliance, instrumentation used to monitor and ensure water quality, and the analysis required to supply clean and safe drinking water to the public. 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 Water Quality course, which is applicable toward a Certificate in Water Treatment Technology from American Water College.

Required Texts

Textbook: Water Distribution Operator Training Handbook

Edition: Fourth Edition

Authors: William C. Lauer

ISBN: 978-1-58321-954-6

Textbook: Water Treatment Operator Training Handbook

Edition: Third Edition

Authors: Nicholas Pizzi and William C. Lauer

ISBN: 978-1-58321-861-7

Educational Objectives

- To provide an overview of state and federal water quality regulations
- To acquaint students with the instrumentation utilized in maintaining water quality
- To acquaint students with tests and methods of compliance
- To provide an overview of analysis and data monitoring
- To demonstrate the public's reliance on operators to provide clean and safe drinking water