

WATER MANAGEMENT AND TREATMENT (WMTR)

WMTR 1001 Water Treatment and Distribution (6 Credits)

Covers water sources and uses, storage, pipes, pumps, motors, water quality parameters and standards, and treatment techniques, including iron and manganese removal, pretreatment, coagulation/flocculation, sedimentation, filtration, fluoridation, corrosion control, disinfection, sludge handling, and plant maintenance. Presents the mathematics necessary for operators of water treatment and distribution plants.

Previous: Legacy Equivalent(s): WMT* 101

WMTR 1002 Special Topics in Water Treatment (3 Credits)

Covers required and recommended drinking water standards; proper sample collection; preservation and storage techniques; proper physical, chemical, and microbiological analytical techniques; and the relationship between analyses, unit process control, and the quality of treated water in the distribution system.

Previous: Legacy Equivalent(s): WMT* 102

WMTR 1003 Special Topics in Water Distribution (3 Credits)

Covers applied hydraulics; water tanks; mains; valves; services; hydrants and meters; cross connections; pumps; instrumentation; maps and drawings; and local, state, and national laws. Devotes special attention to operational and maintenance procedures designed to protect the quality of water in the system.

Previous: Legacy Equivalent(s): WMT* 103