

Week 1	Module #	Topic
	1	Welcome & Introduction
	2	How Water Works - Water from Source to Tap
	3	Treatment Train Process & Goals
	4	Physical Treatment Processes
	5	Chemical Treatment Processes
	6	Disinfection
	7	Hydraulics Part 2: Pressure
	8	Hydraulics Part 3: Head and Head Loss
	9	Head and Hydraulic Grade Calculation Interaction
	10	Pumping Systems Part 1
	11	Pump Calculation Interaction
	12	Pumping Systems Part 2 and Monitoring the Treatment Process
	13	Pump Components
	14	Pump Components Interaction
	12	Pump Curves
	16	Pump Curve Calculations
	17	Monitoring the Treatment Process Interaction
		Week 1 Quiz
Week 2	Module #	Topic
	1	Review
	2	Regulations
	3	How Water Works: Water Sources & Contamination
	4	Safe Drinking Water Act
	5	Water Sources, Groundwater & Surface Water
	6	Residuals Disposal Options, Injection Wells
	7	Belt Press
	8	Operator Responsibilities & Media Relations
	9	Safety
	10	Lime Handling Safety
	11	Carbon Handling Safety
		Week 2 Quiz
Week 3	Module #	Topic
	1	Review
	2	Aeration Processes
	3	Activated Carbon Adsorption Processes
	4	How Water Works: Distribution Operations
	5	Maintenance
	6	Ion Exchange Processes

	7	Water Stability
	8	Electricity
		Week 3 Quiz
Week 4	Module #	Topic
	1	Review
	2	Lime Softening
	3	Lime Softening Calculations
	4	Lime Softening Calculations Interaction
	5	Membrane Processes
	6	Membrane Fouling
	7	Pump Hydraulics
		Week 4 Quiz
Week 5	Module #	Topic
	1	Review
	2	Meters
	3	Metering Calculations Interaction
	4	Emerging Issues
	5	Computers & SCADA
	6	Instrumentation & Alarms
	7	Ladder Logic & Recordkeeping
	8	Troubleshooting the System
	9	Troubleshooting Interaction
	10	Final Course Review - Part 1
	11	Final Course Review - Part 2
Final Assessment		
End of Course Survey		