

Week 1	Module #	Topic	
	1	Course Goals and Definitions	
	2	Regulations Overview	
	3	Regulations Interaction	
	4	Types of Pathogens, Pathogen Incidents, and Removal of Pathogens	
	5	Bin Calculations Interaction	
	6	Chemical Dosages, Disinfection: Chlorine, UV, Ozone Chlorine Handling & Safety Options	
	7	Ozone	
	8	Chlorine Handling	
	9	Hydraulics Part 1 and Disinfection Calculations	
	10	Density of Water Interaction	
	11	Review of Safety Issues	
		Week 1 Quiz	
Week 2	Module #	Topic	
	1	Review	
	2	Choosing Treatment Trains: Goals & Objectives Ion Exchange	
	3	How Water Works: Water Sources & Contamination	
	4	Physical Processes: Metering, Screening, Primary Sedimentation	
	5	Greensand and Pressure Filters	
	6	Pumps Overview	
	7	Math for Treatment Processes	
	8	Sedimentation	
	9	Clarifier Calculations Interaction	
	10	Filtration	
	11	Filter Calculations Interaction	
	12	Filter Backwash	
		Week 2 Quiz	
Week 3	Module #	Topic	
	1	Review	
	2	Environmental Chemistry - Sampling	
	3	Balance Chemical Reactions Interaction	
	4	Coliform Sampling	
	5	Coagulation, Flocculation Processes	
	6	Membrane Processes	
	7	Jar Testing	
	8	Fluoridation, Scaling, Iron & Manganese Control Residuals Management	
	9	Fluoridation Calculation Interaction	
	10	Residuals Management	
		Week 3 Quiz	
Week 4	Module #	Topic	
	1	Review	
	2	Groundwater	
	3	Surface Water	
	4	Lime Softening	
	5	Ion Exchange	

	6	Aeration	
	7	Activated Carbon	
	8	Water Rights, Sustainability	
	9	Water Piping Systems	
		Week 4 Quiz	
Week 5	Module #	Topic	
	1	Review	
	2	How Water Works: Distribution Operations	
	3	Math for Operators	
	4	Operator Duties Interaction	
	5	Week 5 Knowledge Check	
	6	SCADA and Security	
	7	Course Materials Review	
Final Assessment			
End of Course Survey			