

Wastewater Microbiology & Process Control

Course Length: 3.0 hours

Time	Topic	Technical/General
15 min	Introduction to Activated Sludge Treatment Process	Technical
15 min	Introduction to Microorganisms in Activated Sludge	Technical
15 min	Role of Bacteria in Wastewater Treatment	Technical
15 min	Role of Protozoa in Wastewater Treatment	Technical
15 min	Role of Metazoa in Wastewater Treatment	Technical
30 min	The Effects of Process Changes on Microorganisms	Technical
15 min	Dispersed Bacteria	Technical
15 min	Nutrient Deficiency & Slime Bulking	Technical
45 min	Toxicity and Other Adverse Conditions	Technical

Laboratory Techniques for Wastewater Treatment Microbiology

Course Length: 2.0 hours

Time	Topic	Technical/General
15 min	Proper Use of the Microscope	Technical
30 min	Slide Preparation & Staining	Technical
30 min	Protozoa/Metazoa Counts	Technical
30 min	Shelled Protozoa/Metazoa & Zooglea Counts	Technical
15 min	Filamentous Bacteria Count	Technical