

## **Using the Microscope to Evaluate Process 8-hour workshop**

### **Proper Use of a Phase Contrast Microscope – 1 hr**

- Phase vs. light microscopes
- Phase condenser and objectives
- Using 100x oil immersion lens
- Sample handling, Slide preparation

### **Evaluating a sample – 100x - 2 hr**

- What is in flocs
- Sizing and classifying flocs
- Classifying protozoa and metazoa
- Assessing Filament abundance
- Class Exercises using samples

### **Filament Identification – 1000x – 2 hr**

- Filament characteristics
- Common filaments - characteristics
- Filament Identification Techniques
- Gram, Neisser, India ink staining
- Class Exercise using a sample

### **Evaluating Actual Samples – 3 hr**

- Floc Sizing
- Classifying Protozoa
- Filament Abundance
- Filament Identification
- Interpreting Results and applying to Process

### **Question & Answers, Discussion of Problems**

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