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| **Time** | **Day 1 Topics** | **Activities** |
| 9:00-10:45 | Workshop Opening (60 min) | * Introduction
* Getting to Know Each Other
* Ground Rules
* Learning Expectations
* Review
 |
| Safe Drinking Water (40 min) | * Introduction
* Safe Water Characteristics
* Water Contamination
* WHO Guidelines and National Standards
* Review
 |
| **15 min** | **Break** |
| 11:00-12:30 | Intro to Drinking Water Quality Testing (DWQT) (50 min) | * Introduction
* Why to Test
* Introduction to Drinking Water Quality Testing (DWQT)
* Testing Option Selection
* Review
 |
| Aspects of DWQ (60 min) | * Introduction
* Aspects of Drinking Water Quality (DWQ)
* Microbiological Aspects
* Chemical Aspects
* Acceptability and Radiological Aspects
* Review
 |
| **1 hour** | **Lunch** |
| 13:30-15:00 | Aspects of DWQ (continued) |  |
| Sanitary Inspections (60 min) | * Introduction
* Water Supply System Presentation
* Risks to Small Water Supply Systems Discussion
* Sanitary Inspections Presentation
* Sanitary Inspections Practice
* Review
 |
| **15 min** | **Break** |
| 15:15-16:30 | Water Sampling Procedures (60 min) | * Introduction
* Water Sampling Theory
* Water Sampling Practice
* Review
 |
| Closing (5 minutes) | * Closing Activity
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|  **Time** | **Day 2 Topics** | **Activities** |
| 9:00-10:45 | Opening Review (15 minutes)  | * Review Quiz
 |
| Microbiological Testing Methods (40 minutes) | * Introduction
* Microbiological Testing Methods
* Evaluation of Microbiological Testing Methods
* Review
 |
| Dilutions (40 minutes) | * Introduction
* Dilution Theory
* Dilution Factors
* Review
 |
| **15 min** | **Break** |
| 11:00-12:30 | Dilutions (continued) |  |
| Quality Control (50 minutes) | * Introduction
* Quality Control Presentation
* Aseptic Practices
* Health and Safety
* Review
 |
| **1 hour** | **Lunch** |
| 13:30-15:00 | Microbiological Testing Practice (120 minutes) | * Introduction
* Presence-Absence (P-A) and Most Probable Number (MPN) Demonstration
* Membrane Filtration (MF) Demonstration and Practice
* Review
 |
| **15 min** | **Break** |
| 15:15-16:30 | Microbiological Testing Practice (continued) |  |
| Closing (5 minutes) | * Closing Activity
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| **Time** | **Day 3 Topics** | **Activities** |
| 9:00-10:45 | Opening Review (15 minutes) | * Review Quiz
 |
| Colony Counting (60 minutes) | * Introduction
* Colony Counting Presentation
* Colony Counting Exercise
* Colony Counting Demonstration and Practice
* Review
 |
| **15 min** | **Break** |
| 11:00-12:30 | Acceptability Aspects Testing Methods (45 minutes) | * Introduction
* Acceptability Aspects Testing Presentation
* Turbidity Testing Demonstration and Practice
* Review
 |
| Concentration and Unit Conversions (35 minutes) | * Introduction
* Concentration and Unit Conversion Presentation
* Concentration and Unit Conversion Exercise
* Review
 |
| **1 hour** | **Lunch** |
| 13:30-15:00 | Chemical Testing Methods (50 minutes) | * Introduction
* Chemical Testing Method Presentation
* Chemical Testing Method Evaluation
* Review
 |
| Chemical Testing Practice (110 minutes) | * Introduction
* Chemical Testing Demonstration and Practice
* Calibration
* Discussion and Troubleshooting
* Review
 |
| **15 min** | **Break** |
| 15:15-16:30 | Chemical Testing Practice (continued) |  |
| Closing (5 minutes) | * Closing activity
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| **Time** | **Day 4 Topics** | **Activities** |
| 9:00-10:45 | Opening Review (15 minutes) | * Review Quiz
 |
| Interpreting Results (50 minutes) | * Introduction
* Types of Analysis for Interpreting Data
* Interpreting Results Presentation and Practice
* Data Recording Errors
* Review
 |
| **15 min** | **Break** |
| 11:00-12:30 | Reporting Results (135 minutes) | * Introduction
* Reporting Discussion
* Reporting Presentation
* Review
 |
| **1 hour** | **Lunch** |
| 13:30-15:00 | Reporting Results (continued) |  |
| Evaluating a Lab Report (40 minutes) | * Introduction
* Laboratory Report Basics
* Evaluating a Lab Report
* Review
 |
| **15 min** | **Break** |
| 15:15-16:30 | Evaluating a Lab Report (continued) |  |
| Closing (5 minutes) | * Closing activity
 |

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| **Time** | **Day 5 Topics** | **Activities** |
| 9:00-10:45 | Opening (15 minutes) | * Opening Activity
 |
| Field Trip (flexible) | * Introduction
* Water Sampling Technique Practice (Optional)
 |
| **15 min** | **Break** |
| 11:00-12:30 | Field Trip (continued) | * Chemical and Turbidity Testing Practice (Optional)
 |
| **1 hour** | **Lunch** |
| 13:30-15:00 | Field Trip (continued) | * Sanitary Inspection Practice (Optional)
 |
| **15 min** | **Break** |
| 15:15-16:30 | Workshop Closing (60 minutes) | * Introduction and Parking Lot Review
* Self-Assessment
* Personal Action Plan
* Workshop Evaluation
* Celebrating the Workshop
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