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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 |