

# Pool Operator Primer (POP) Course

## Course Outline

### Learning Objectives

1. Recognize the importance of CPO Certification
2. Identify who should receive CPO Certification Training
3. Identify the types of aquatic facilities that may require CPO Certified Trainers
4. Identify the four components of a management system
5. Identify the basic concepts associated with risk management
6. Recognize the difference between regulations and standards (guidelines)
7. Identify the agencies that directly impact the aquatic industry
8. Identify the role and responsibilities of the key regulation's standards setting agencies
9. Identify the Key Regulations that affect the operation of aquatic facilities

### Lesson Plan

Pre-Course Acknowledgment

Lesson 1: Introduction to Pool & Spa Management

Section 1: Introduction

Section 2: Pool and Spa Management

Section 3: Regulations and Standards

POP Lesson 1 – Introduction to Pool & Spa Management – Exam

Lesson 2: Essential Calculations

Section 1: Introduction

Section 2: Amount Conversions

Section 3: Surface Area/Volume Calculations

POP Lesson 2 – Essential Calculations - Exam

Lesson 3: Contamination, Water Problems, and Disinfection

Section 1: Introduction

Section 2: Pool Water Contamination

Section 3: Disinfection

Section 4: Water Balance

Section 5: Water Problems and Dosage

POP Lesson 3 - Contamination, Water Problems, and Disinfection - Exam

Lesson 4: Pool and Spa Water Chemistry

Section 1: Introduction

Section 2: Chemical Feed and Control  
Section 3: Chemical Testing  
POP Lesson 4: Pool and Spa Water Chemistry – Exam

Lesson 5: Water Circulation and Filtration  
Section 1: Introduction  
Section 2: Circulation  
Section 3: Filtration  
Section 4: Heating and Energy Loss  
Section 5: Air Circulation  
POP Lesson 5: - Water Circulation and Filtration - Exam

Lesson 6: Spas, Hot Tubs, and Therapy Pools  
Section 1: Introduction  
Section 2: Benefits/Concerns  
Section 3: Operational/Maintenance Considerations  
Section 4: Risks  
Section 5: Guidelines for Safe Use  
POP Lesson 6 - Water Circulation and Filtration - Exam

Lesson 7: Facility Safety and Recordkeeping  
Section 1: Introduction  
Section 2: Facility Safety  
Section 3: Pool and Spa Safety Act  
Section 4: Keeping Records  
POP Lesson 7 - Facility Safety and Recordkeeping - Exam

Lesson 8: Maintenance  
Section 1: Introduction  
Section 2: Maintenance Systems  
Section 3: Troubleshooting  
Section 4: Facility Renovation  
POP Lesson 8 – Maintenance – Exam

Post-Course Acknowledgment

*Upon successful completion of the course, students need to print out their Record of Completion to provide to the instructor for the in-person class.*