***AFO Course Syllabus***

**DAY 1**

8:00 – 8:15 Chapters 1-4 Intro/Systems Approach, Profile of an AFO, Evolution of a Swimming Pool, Qualities of a Healthy Pool, & Health-Department Considerations (15 min)

8:15 – 9:15 Chapter 5: Circulation, Capacities and Basic Calculations (60 min)

9:15 – 10:15 Chapters 11-13: Pool-Water Chemistry Goals, Chemical types for Sanitizing and Treating Water, & Sanitation Plus (60 min)

**10:15 – 10: 30 BREAK (15 min)**

10:30 – 10:45 Chapter 14: Water Testing (15 min)

10:45 – 11:15 Chapter 15: Breakpoint chlorination (30 min)

11:15 – 12:00 Chapter 17: Pool-Water Balance (45 min)

**12:00 – 1:00 LUNCH (60 min)**

1:00 – 2:00 Chapter 18: Dosages

2:00 – 2:30 Chapter 19: Alternative and Supplemental Sources for Disinfection and Oxidation. (30 min)

**2:30 – 2:45 BREAK (15 min)**

2:45 – 3:05 Chapter 16: Stabilization (20 min)

3:05 – 4:50 Chapters 6-8: Water Collection Systems (25 min), Pumps and Pumping (20 min), & Filtration (60 min)

4:50 – 5:00 Review and assign quiz (10 min)

**DAY 2**

**8:00 – 8:20 Review quiz (20 min)**

8:20 – 8:40 Chapter 9: Flow Meters, Feeders and other Mechanical Devices (20 min)

8:40 – 8:55 Chapter 10: Heaters and Heating (15 min)

8:55 – 9:25 Chapter 20: Concepts of Automation (30 min)

9:25 – 9:40 Chapter 21: Deck Equipment (15 min)

9:40 – 10:00 Chapters 22-23: Spas, Special Case Pools, & Water Parks (20 min)

**10:00 – 10:15 BREAK (15 min)**

10:15 – 10:40 Chapter 24: Problems and Solutions (25 min)

10:40 – 10:50 Chapter 25: Preventative Maintenance (10 min)

10:50 – 11:05 Chapter 26: Design Considerations (15 min)

11:05 – 11:15 Chapter 27: Purchasing and Contracting (10 min)

11:15 – 12:00 Chapter 28-29: Common Sense Safety (30 min) & Risk Management (15 min)

**12:00 – 1:00 LUNCH (60 min)**

1:00 – 1:15 Chapter 30: Innovations (15 min)

1:15 – 1:40 Chapter 31: An Overview of Leadership, Management, and Organization (25 min)

1:40 – 1:55 REVIEW (15 min)

**1:55 – 2:00 BREAK (5 min)**

**2:00 – 5:00 FINAL EXAM (3 hours)**