



Deep Dive Operations Trainer

Course Objectives

Successful completion of the Deep Dive Operations Trainer (DDOT) program provides the Instructor with skills required to train their divers to safely and confidently plan and conduct open circuit, no-deco scuba dives on air for water depths in the range of 60' to 130'. This program teaches various methods to maintain proper descent rate and orientation during descent, participation in cognitive function exercises to assess subtle presence of nitrogen narcosis, controlling buoyancy on ascents/descents, and teaching divers planned ascent profiles so that all divers remain within the no stop limits. Obtaining the DDOT certification allows the Instructor to teach the Deep Dive Operations program in-house and to mutual aid departments.

Key training topics and the associated objectives include:

REVIEW OF DIVING PHYSICS AND DIVE PHYSIOLOGY

Identify the specific, expected challenges associated with deep diving
Explain the effects of deep diving on diver air supply

PLANNING SAFE DEEP DIVES

Describe requirements of safe deep diving operations
Describe No-Decompression dives
Identify challenges found in deep diving environments
Define ascent and descent rates and the use of equipment to ensure operations within safety margins
Define emergency procedures for multiple scenarios in deep dive environments

USE OF PLATFORMS OR VESSELS TO SUPPORT SAFE DEEP DIVE OPERATIONS

Describe the anchoring of platforms and vessels
Explain the use of down lines
Identify deep diving equipment considerations

NITROGEN NARCOSIS

Explain Nitrogen Narcosis
Practice cognitive skill function challenges to observe subtle presence of nitrogen narcosis
Define emergency procedures for different scenarios during deep diving operations

PREREQUISITES

All students must be a member of a public safety agency and at least 21 years of age. Students must also read and complete a RSTC medical statement prior to attending class. Any diver answering yes to any contraindication must have the form signed by a physician. All diving personnel must provide proof of Deep Dive Operations certification and must be a current Dive Rescue 1 Trainer.

This program is designed for personnel who are physically fit. Participants are encouraged to participate after successfully completing the IADRS Watermanship Test or testing to a fitness level of 13 MET (Metabolic Equivalents) or greater. Participants with aerobic fitness questions or concerns should consult their physician prior to in-water training. Participants who have poor aerobic fitness may attend this program as surface support personnel with the approval of the instructor.



Deep Dive Operations Schedule

Day 1

8:00 - 11:00	Administrative needs Academic presentation / review
11:00 - 12:00	Meal Break
12:00 - 4:00	Open Water Exercises
4:00 - 5:00	Classroom

BE SURE TO BRING

Dive Rescue International recommends students train using their standardized agency mission gear. All students must bring: US Coast Guard approved PFD with knife and whistle, adequate clothing and protection from the environment and pen and paper for note-taking and sketching. Diving students must provide their own equipment: Scuba regulator: recently serviced and environmentally protected with alternate air source (i.e.: octopus, Air II, etc.), timing device, depth and submersible pressure gauges, BC with oral/power inflator, two tanks with current Hydro & VIP, mask, snorkel, fins, weight belt and two cutting tools (knife, wire cutters, or trauma shears).