
Advanced Open Water SCUBA Diving

An advanced course with certification through the National Association of SCUBA Educators, NASE. Training will include diving specialty topics such as Night diving, Deep diving, and Navigation diving.

Instructor: Capt. Michael Gast, Lt. Joel Talley

Course Length: 1 week, 30 hours

Prerequisites: Open Water SCUBA Diving, or Open Water certification from another nationally recognized agency. Proof of certification must be provided at registration.

Required Texts: 1) *Night Diving*, SCUBA Science and Technology Inc, 2000
2) *Navigation Diving*, SCUBA Science and Technology Inc, 2000
3) *Diving Deeper*, SCUBA Science and Technology Inc, 2000

Required Tools/Materials: Each student will provide his own mask, fins, snorkel, dive boots, gear bag, underwater watch, dive knife, compass, weights, weight belt, and wetsuit. Each student will be provided with a buoyancy compensator device, regulator.

Instructional Methods: Lesson material will be imparted via lectures, videos and photographs, demonstrations, and reading assignments.

Method of Evaluation: Student progress will be based on homework assignments, practical skills, quizzes, and written exams. The final exam will constitute the course grade.

Pass Requirements: Completion of all assignments, quizzes, and the final exam, and successful demonstration of all required skills.

Course Components:

Hours	Subjects
2.5	Navigation The importance of navigation, principles of navigation, measuring distance, natural navigation, compass anatomy and usage, navigating in currents, dive site mapping
3	Navigation Dive 2 dives. Dive #1: Measuring distances, short navigation runs, Dive #2: Long navigation runs
2.5	Night Diving Aquatic night life, night diving skills, special night diving conditions
3	Night Dive 2 Dives. Dive #1 at dusk, Dive #2 after dark
2	Search and Recovery diving Basic principles of search and recovery, control and reference, line signals, shotgun search pattern, arc search, rigid grid search
4	Search and Recovery dives 2 dives. Dive #1: Arc search, Dive #2: Rigid grid search
2.5	Deep Diving Principles of deep diving, physics and physiology of deep diving, deep diving techniques, accident management, deep diving equipment
2.5	Wreck Diving Basic procedures, potential hazards, penetration, wreck diving equipment, emergency procedures
1	Final Exam Class review, questions from class, written final exam
3.5	Deep Dive Deep dive in excess of 60 feet
3.5	Wreck Dive Wreck dive

Revised 4/21/2008