

Introduction to Scientific Diving Workshop

May 8 & 11-14, 2020

Instructor

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Prerequisites

- Open Water certification from a nationally recognized training agency
- **Swim test- March 6 at 4pm**
- Dive Medical Examination- due by **March 1**
- All diving documents on the URI and BIOS *Diving Information* page- due by **April 15**
- Proof of current Divers Alert Network (DAN) Insurance and copies of receipts for equipment purchased or copies of receipts for proof of equipment maintenance within the last 12 months due by **April 15**
- Maintain GPA

Workshop Costs

The workshop tuition is \$125. An invoice will be forwarded to you shortly. Payment should be made by check payable to the University of Rhode Island. Please submit payment to the URI dive program at the beginning of the workshop on **May 8**.

Description

All URI in Bermuda participants must successfully complete this diving training session to comply with URI and BIOS diving standards as defined by the American Academy of Underwater Sciences (AAUS). Upon completion of this program, students will qualify to participate in scientific diving as a “diver in training” under the direct supervision of an approved URI lead diver or Diving Safety Officer. Participants who do not complete the diving training session will not be permitted to dive while on the URI in Bermuda/BIOS Program.

Diving Equipment

All equipment should be purchased before the dive workshop and receipts must be provided to the URI dive office by **April 15**. (If you are using equipment that was not recently purchased, you must provide a receipt showing that the equipment was inspected and serviced within the last 12 months.)

Workshop Logistics

A schedule and agenda is attached on the next page. Please be prepared each day: arrive on time, bring your own lunch and drinks, bring a towel and bathing suit. All participants are responsible for their own transportation. If you would like to carpool, this can be discussed on May 8th or can be coordinated ahead of time.

Schedule and Agenda

Friday, May 8th: Orientation & Confined Water Training

12:15pm - 3:00pm Pool, Tootell Aquatics Center

- 1) Complete URI diver paperwork, sign training waivers
- 2) Equipment setup
- 3) Scuba Skills Refresher and Pool Training
 - a. Enter and Exit water with full equipment
 - b. Clear face mask and regulator while submerged
 - c. Demonstrate ability to maintain neutral buoyancy
 - d. Demonstrate air sharing and emergency out-of-air skills
 - e. Demonstrate ability to alternate between snorkel and scuba while kicking
 - f. Demonstrate understanding of underwater signs and signals
 - g. Demonstrate ability to remove and replace equipment on the surface and under water
 - h. Demonstrate simulated in-water rescue and transport of a passive diver
 - i. Demonstrate watermanship ability

Monday, May 11th: Knowledge Review & Open Water Evaluation

9:00am - 11:30am CACS Room 108

Narragansett Bay Campus

11:30am - 12:00pm Lunch

12:00pm - 4:00pm Meet at Perkins Dive Locker, Narragansett Bay Campus

Transfer to Dive location: Fort Wetherill State Park

- 1) Orientation & introduction to scientific diving
 - a. URI diving safety rules, regulations, and responsibilities
 - b. Equipment overview
- 2) Dive physics and physiology review
- 3) Dive Planning Refresher
 - a. Dive planning
 - b. Dive tables
 - c. Dive computer
- 4) Open Water Evaluation- Dive 1
 - a. Enter and Exit open water with full equipment from shore
 - b. Kick on the surface 400 yards while wearing scuba gear
 - c. Demonstrate ability to maintain neutral buoyancy
 - d. Clear face mask and regulator while submerged
 - e. Demonstrate air sharing as both a donor and receiver
 - f. Demonstrate ability to remove and replace equipment on the surface
 - g. Demonstrate judgment adequate for safe diving

- h. Complete a simulated emergency swimming ascent
- 5) Open Water Evaluation- Dive 2
 - a. Demonstrate techniques of self-rescue and buddy
 - b. Navigate underwater
 - c. Plan and execute a dive
 - d. Demonstrate ability to swim with neutral buoyancy

Tuesday, May 12th: Rescue Skills & Dive Accident Management

9:00am - 11:30am CACS, Room 108
Narragansett Bay Campus

11:30am - 12:00pm Lunch

12:00pm - 4:00pm Meet at Perkins Dive Locker, Narragansett Bay Campus
Transfer to Dive location: Fort Wetherill State Park

- 1) Dive Planning Review- including dive tables and computers
- 2) Dive Accident Management & Rescue Discussion
- 3) Rescue Dive 1
 - a. Dive accident management plan
 - b. Self-rescue
 - c. Tired diver rescue
 - d. Towing techniques
 - e. Panicked diver on surface
 - f. Distressed diver underwater
- 4) Rescue Dive 2
 - a. Unconscious Diver Underwater

Wednesday, May 13th: Underwater Research Methods & Specialty Diving

9:00am - 11:00am CACS, Room 108, Narragansett Bay Campus

11:00am - 11:30am Lunch

11:30am - 4:00pm Meet at Perkins Dive Locker, Narragansett Bay Campus
Transfer to Dive location: Fort Wetherill State Park

- 1) Introduction to underwater research methods and data gathering techniques
- 2) Orientation to specialty diving
- 3) Dive 3- Navigation review
- 4) Dive 4- Search strategies using reels and compass

Thursday, May 14th: Using Tools and Scientific Diving Techniques

9:00am - 4:00pm Meet at Perkins Dive Locker, Narragansett Bay Campus
Transfer to Dive Location

- 1) Dive 5- Using lift bags, reels, deploying safety sausages
- 2) Dive 6- Neutral Buoyancy Practice

**IF FLYING, PLEASE GIVE YOURSELF 24 HOURS PRIOR TO FLYING
AFTER DIVING!**