

**UNIVERSITY OF NORTH CAROLINA – INSTITUTE OF MARINE SCIENCES**  
**Introduction to Scientific Diving: Course Outline & Schedule**

This intensive two-week course is offered as an optional, non-credit, add-on at the Institute of the Environment/Morehead City Field Site (IE/MCFS), located at the UNC Institute of Marine Sciences in Morehead City, NC. The course is designed to teach certified scuba divers how to excel within an American Academy of Underwater Sciences (AAUS) scientific diving program. AAUS is the standards setting agency for scientific diving which is recognized by OSHA and universally accepted by universities and research labs throughout the world. Any diver who plans to conduct underwater research is required to be AAUS certified. Upon successful completion of the course, students will earn the following certifications: **1) AAUS Scientific Diver; 2) PADI Advanced Diver; 3) PADI Nitrox (EANx) Diver; 4) DAN-DFA Pro** which includes CPR, AED, First Aid, O2, hazardous marine life, and neurological assessment training. Students will also receive basic training in dive planning, underwater navigation, dive emergency/accident management, dive rescue, dive computers, low visibility/night diving, underwater digital photography/video, and marine life identification/collecting techniques. In addition, students will learn to build and use underwater data collection tools such as slates, transects, and quadrats, as well as learn to safely use surface marker buoys (SMBs), line reels, and lift bags.



**DATES:** Course dates are August 12<sup>th</sup>-23<sup>rd</sup>, 2019 (SAT & SUN OFF).

**COST:** The cost of this course is \$500 for students enrolled in the IE/MCFS. The cost for non-IE/MCFS students is \$800, but please note that space is limited and priority will be given to IE/MCFS students. Tanks and weights are provided at no additional charge; however, students must supply all other required equipment (see below for list of required equipment and rental options). Housing is available at the IMS dorms for \$10 per day.

**MANUALS PROVIDED:** **1) PADI Advanced Open Water Diver with Data Carrier; 2) PADI Enriched Air Diver-Nitrox; 3) DAN-DFA Pro Student Kit.**

**PREREQUISITES:** **1) Proof of Open Water Scuba Certification from a recognized agency; 2) Medical approval to dive (AAUS Medical Evaluation signed by a DOCTOR); 3) DAN Dive Accident Insurance; 4) Pass AAUS Swim Test on first day of class. Swim test consists of:**

- a. 400-yard swim in less than 12 minutes
- b. 10-minute tread (or 2-minute tread without use of hands)
- c. 25-yard surface tow
- d. 25-yard underwater breath-hold swim

**EQUIPMENT:** Only tanks and weights are provided with course fee. Students are responsible for supplying all other required equipment. Required equipment includes: **1)** Snorkel gear (fins, mask, and snorkel); **2)** Exposure protection for 80°F water (wetsuit, booties, and gloves); **3)** Regulator w/ Alternate Air Source and Buoyancy Compensator (BC); **4)** Depth Gauge w/ Bottom Timer (Dive Watch) or Dive Computer (Dive Computer required with use of Nitrox at end of course).

**SPECIAL NOTE:** If you supply your own BC, Regulator, and/or Dive Computer, you must provide itemized documentation of service/purchase within the last year.

Other recommended equipment includes a compass, SMB, dive knife, and dive light.

**RENTAL OPTIONS:** The availability of local rental gear is limited. If you need to rent a BC, Regulator, Gauges, and/or Dive Computer, you will need to make arrangements in advance.



**TENTATIVE SCHEDULE: August 12-23, 2019**

DATE	TIME	OBJECTIVE	LOCATION
8/11 SUN	17:00- 19:00	Meet & Greet, Check into IMS Dorms, Review Schedule, Paperwork, Manuals	Meet at IMS front Parking Lot
8/12 MON	08:00- 17:00	Morning: Classroom (AAUS), Swim Test Afternoon: DAN DFA Pro 1, Dive Gear Checkout	Classroom 131 Pool
8/13 TUE	08:00- 17:00	Morning: Pool Skills 1 Afternoon: DAN DFA Pro 2	Pool Classroom 131
8/14 WED	08:00- 17:00	Morning: Pool Skills 2 Afternoon: Classroom	Pool Classroom 131

