

AFS270 COURSE SYLLABUS
TITLE: AFS270 SCUBA Diver

DESCRIPTION: This is an entry-level certification course designed to give students the necessary skills to conduct open water dives in conditions similar to their training. The course includes underwater environment, physics and physiology, Scuba equipment, skill development, dive planning, safety & first aid, CPR/AED/oxygen first aid, self and buddy assists rescues. This course is a prerequisite for AFS433, Research Diving Methods.

CREDITS: 3

PREREQUISITES: AAUS diving medical clearance, and successful completion of a water proficiency test consisting of the following skills:

- * Swim underwater without swim aids for a distance of 25 yards without surfacing;
- * Swim 400 yards in less than 12 minutes without swim aids;
- * Tread water for 10 minutes, or 2 minutes without the use of hands, without swim aids;
- * Without the use of swim aids, transport another person of equal size a distance of 25 yards in the water.

REQUIRED EQUIPMENT:

- * Students purchase: Mask, snorkel, fins, gloves, hood, booties, dive bag, weights & belt
- * Students' rent: Cylinder; BCD; regulator with 2 secondary stages, pressure gauge, depth gauge & compass; and wetsuit.

GENERAL OBJECTIVES: Educate and train students with minimal entry knowledge and skills, in Scuba Diving, First Aid, Cardio-Pulmonary Resuscitation, Automatic External Defibrillation, and Oxygen First Aid. Knowledge, skill performance and safety awareness levels will be equal to or exceed national training standards.

Students are instructed using a multi-media approach, which includes: lectures, discussions, small group activities, guided and individual practice on mannequins and with classmates, DVD and live demonstrations, text readings and discussions, written assignments and self-quizzes. Evaluations will be accomplished through instructor, peer and self-assessments and standardized tests and other activities.

CERTIFICATION: SCUBA DIVER certification will only be issued to those participants who meet all the academic and skill requirements.

AFS433 COURSE SYLLABUS
TITLE: AFS433 Research Diving Methods Fall 2008

DESCRIPTION: Scientific diving is a technique used for marine research and monitoring. AFS433 will provide the theoretical aspects and practical training to assess

the biological, physical, geological and archaeological characteristics of the nearshore marine environment of Narragansett Bay. Lectures will focus on data gathering techniques, collecting, common biota, installation of scientific apparatus, site location, scientific dive planning and coordination with other agencies and appropriate governmental regulation.

CREDITS: 3

PREREQUISITES: AAUS diving medical clearance. Basic Scuba certification and all divers must have logged (5) five open water dives within the past 12 months.

REQUIRED EQUIPMENT:

Students must supply their own equipment (mask, snorkel, fins, gloves, hood, booties, dive bag, weights & belt, BCD; regulator with 2 secondary stages, pressure gauge, depth gauge & compass; and wetsuit) and must show proof of Scuba regulator service by an authorized technician within the past 6 months.

GENERAL OBJECTIVES: Educate and train students for authorization as American Academy of Underwater Sciences (AAUS)/URI Scientific. Knowledge, skill performance and safety awareness levels will be equal to or exceed national training standards.