

Northern Virginia Community College – Annandale Campus
Fall 2007

Instructor: Craig Goheen II, AOWI 13743
Office Hours: 1800-1900 at Sea Ventures
Phone Number: 703-899-1681
Email Address: cgoheen@nvcc.edu

PED 144-001N 2 credits

Wednesdays 19:00 – 22:00

Location: SeaVentures, Inc
9444 Main St.
Fairfax, Va 22031

Prerequisites: Strong Swimming Skills

Course description, purpose, and objectives

This course will provide training toward certification as Open Water SCUBA Diver. The course will emphasize the learning of both snorkeling (free diving introduction) and SCUBA skills. Safe diving skills, the physics of diving, equipment care and maintenance, diving fitness, underwater navigation, record keeping and other basic SCUBA knowledge will be covered in the course. Upon successful completion of the course and participation in the open water dives, students will be qualified for Open Water certification by Scuba Schools International (SSI).

Course requirements

Medical History and Waiver: Each student will complete a medical history before participating in this class. Certain items on this form may require that you **consult a physician** before participating in scuba activities. In addition, each student will complete a liability waiver before participating in this class. Students who do not complete the physical will be unable to participate in ANY water activities.

Students are expected to pay the course fee of \$180.00 to Sea Ventures, Inc. Cash or Checks can be paid to them at anytime during the first two weeks. Students are also expected to buy their books and equipment for the class. Expect to pay \$250.00 - \$350.00 for gear. Please **DO NOT** buy your gear online.

Students may also be asked to buy a parking permit for the pool at George Mason. In past years this has cost \$20.00 with 10.00 refunded at the end of the semester. Payment for this can be done at the same time as the course fee.

Students are expected to show up to class early or on time. Books, pen or pencil, and equipment should be brought to every class unless noted on schedule. Cell phones, pagers, and other electronic devices should be turned off during the classroom portion of class. Points will be deducted from overall grade if these procedures are not followed.

Late work and make-up exams – Late work will be accepted without penalty as long as it is turned in by **November 28**. Make-up exams and quizzes will be given on an as needed basis with approval from the instructor.

Last day for schedule adjustments with tuition refund

September 5, 2007

Last day to withdraw without grade penalty

October 29, 2007

Required Materials

SSI Open Water Diver Manual – Course Book

SSI Dive Log

Mask

Snorkel

Open Heel Fins

Boots

Soft Weight

Weight Belt

Mouth Piece

Recommended Materials

Wetsuit

Gear Bag

Mask Defog

Grading Scale and standards

A	90-100
B	80-89
C	70-79
D	60-69
F	Below 60

Homework	20%
Quizzes	20%
Skill Performance	30%
Final	30%

Certification – PED 144 is an academic course and the fees paid for it do not include certification. If you desire to become a certified diver, the instructor will provide several opportunities for you to become certified. This will be discussed as the course goes on. There are additional costs involved if you chose to become certified.

Attendance policy

Students are expected to attend all classes. If a class must be missed then the instructor should be informed as soon as possible and a make up class scheduled. If you miss more than 1 class then you will drop one letter grade for each class missed. 2 absences = lower one letter grade, 3 absences = lower two letter grades, 4 or more absences = F.

Lateness - Arriving late to class three times deducts one letter grade. Every late over three, deducts another letter grade. Lateness is defined as showing up more than 3 minutes after the start of the class.

Students may make up 1 class by reviewing a book or an article that has been approved by the instructor. All reviews must include a bibliography, summary of the work, and a personal reaction to the work. The length should be 1 – 2 pages typed.

Academic Integrity – Students are expected to follow Information Technology Student / Patrol Ethics Agreement as posted in computer areas and academic integrity standards as set down in the Student Handbook.

Fire / Emergency Evacuation Procedure – In case of emergency, please follow the emergency procedure as discussed on the second day of class and as posted in the classroom.

NVCC is a place for learning and growing. You should feel safe and comfortable anywhere on this campus. In order to meet this objective, you should: a) let your instructor, his / her supervisor, the Dean of Students or Provost know if any unsafe, unwelcome, or uncomfortable situation arises that interferes with the learning process; b) inform the instructor within the first two weeks of classes, if you have special needs or a disability that may affect your performance in this course.

The College will make reasonable accommodations for persons with documented disabilities. Students should contact a Counselor for Students with Disabilities, located in CD 211, to schedule an appointment.

Schedule of Classes

August 22 – Week One – Orientation. Review of objectives, requirements, schedule.

August 29 – Week Two

Meet At Sea Ventures Fairfax, VA

Classroom – Basic gear overview

Pool – None

Assignment – Read chapter 1 and 2 and answer questions for both chapters.

Visit www.danismybuddy.com and register (information provided during class)

September 5 – Week Three

DUE – Chapter 1 and 2 questions

Classroom – Communicating underwater. Pressure and its effects. Boyle's law.

Pool – **All equipment need this week and all future weeks.** Water Skills Assessment and Skin Diving skills.

Assignment – Read chapter 3

September 12 – Week Four

Classroom – The air delivery system, the information system, the buoyancy control system. Practicing assembly and disassembly of diving equipment. Ascents and descents. Communicating underwater.

Pressure and its effects. Boyle's law.

Pool – Basic scuba skills including mask clearing and regulator retrieval.

Assignment: Chapter 3 Questions

September 19 – Week Five

DUE - Chapter 3 Questions

***** QUIZ *****

Classroom – Effects of breathing compressed air. Dalton's Law. DCI.

Pool – Seated entry. Practice of previous skills in deep water.

Assignment: Read chapter 4

September 26 – Week Six

Classroom – Planning your dive. The dive log and the introduction of dive tables.

Pool – Oral inflation of BCD. Giant stride entry. Air sharing and air sharing ascent. Skill Review

Assignment: Dive table questions and Chapter 4 questions.

October 3 – Week Seven

Classroom – Dive tables and Computers

Pool – Back roll entry. Air sharing ascent. Skill Review.

Assignment: Read Chapter 5 & 6

October 10 – Week Eight

Classroom – The Ocean Environment

Pool – In water entry. Removal and replacements of Gear (surface and underwater). Skill Review.

DUE - Dive table questions and Chapter 4 questions

Assignment: Study for Quiz

October 17 - Week Nine

Classroom – Quiz And Chapter 5

Pool – Emergency swimming ascent and emergency buoyant ascent. Skill Review.

October 24 – Week Ten

Classroom – Underwater Aquatic Life

Pool – Buoyancy Game. Skill Review

Assignment: Chapter 5 Questions

October 31 – Week Eleven

DUE - Chapter 5 questions

Classroom – What gear is right for you? Will I need to buy more soon?

Pool – Problem Solving Underwater.

Assignment: Read Chapter 6 and answer questions

November 7 – Week Twelve

DUE - Chapter 6 questions

Classroom – Advancing your diving knowledge (Specialty Classes)

Pool – Specialty Skills

November 14 – Week Thirteen

Classroom – Common Underwater Accidents

Pool – Advanced Buoyancy. Skills Final Exam

November 21 – Week Fourteen

No Class. Thanksgiving Break

November 28 – Week Fifteen

Classroom – Review for the Final Exam

Pool – No Pool

December 5 – Week Sixteen

Classroom – Final Exam

Pool – No Pool

December 12

Classroom Only – Finalize Paperwork, Makeup Exams, and Review Final Exams