

Common Course Outline

PEAQ 120

Scuba Diving

2 Semester Hours

The Community College of Baltimore County

Description

Scuba Diving

Gives the novice skin and scuba diving enthusiast practice in physical conditioning, perfection of essential skills, and study of the physics and physiology of diving. Covers external hazards of diving and care and maintenance of equipment.

All course activities take place in the classroom and pools at all CCBC campuses.

Prerequisites: Intermediate swimming ability.

Overall Course Objectives

Upon successfully completing this course the student will be able to:

1. demonstrate effective use of snorkel equipment;
2. demonstrate the ability to fit, assemble, and perform routine care of equipment: Buoyancy Compensator, weight belt, regulators, alternate air source, gauges, cylinders, safety equipment, and protective dive wear;
3. explain nomenclature on scuba cylinders detailing material of construction, size and testing/inspection requirements;
4. demonstrate “buddy breathing” and “air sharing” techniques and discuss how they apply to actual diving situations;
5. demonstrate buoyancy control by achieving and maintaining neutral buoyancy;
6. demonstrate following diver entries: Boat Entry, Pier Entry, Beach Entry;
7. examine factors of ascent and descent physiology as they relate to recreational divers;
8. demonstrate an understanding of the interaction of time and depth parameters;
9. evaluate a repetitive dive plan using the U.S. Navy Dive Tables;
10. demonstrate how to properly plan a dive with the following considerations: Wind, Current, Depth, Time, Activity.

Major Topics

1. Fitting Mask, Fins, and Snorkel
2. Fitting, Assembling and Care of Equipment: Buoyancy Compensator, Weight Belt, regulators, Alternate Air Source, Gauges, Cylinders, Safety Equipment, and Protective Dive Wear
3. Buddy Check Procedures
4. Ascent and Descent Methods

5. Clearing Regulator (2 ways) and Mask
6. Buoyancy Control – Achieving and Maintaining Neutral Buoyancy
7. Ascent Methods
8. Air Sharing and Buddy Breathing
9. Use of U.S. Navy Dive Tables
10. Planning Repetitive Dives
11. Environmental and Personal Constraints

Course Requirements

1. A minimum of two (2) written exams.
2. Attendance and participation in both class and activities.
3. A Dive Table Exam
4. A minimum of one class assignment.
5. Completion of Diving Skills and a minimum of two (2) open water dive sessions.

Other Course Information

The Community College of Baltimore County is committed to providing a high-quality learning experience that results in a growth in knowledge, attitudes, and skills necessary to function successfully as a transfer student in a career and as a citizen. To accomplish this goal, we maintain high academic standards and expect students to accept responsibility for their individual growth by attending class, completing all homework and other assignments, participating in class activities and preparing for tests.