

Course Syllabus

Department: Physical Education and Integrated Health Care

Date: August 2012

I. Course Prefix and Number: PE 141

Course Name: Scuba

Credit Hours and Contact Hours: 2 Credit Hours – 2 Contact Hours

Catalog Description including pre- and co-requisites: This is the entry-level recreational scuba diving course for students with advanced swimming skills that addresses the Academic and Confined Water requirements for Open Water Certification. The Academic lectures and examinations will provide illustration of basic theory and knowledge necessary for Scuba diving. The Confined Water (Pool) portion applies the practical experience of skill building and demonstration. Open Water Certification is encouraged but not included. Internationally recognized PADI (Professional Association of Diving Instructors) Certification testing with the instructor may be arranged during the period of the course. Additional fee required.

II. Course Outcomes and Objectives

The student will:

1. Demonstrate basic knowledge of the physiology of the relation between the diver and underwater experience.
2. Apply knowledge reviews, testing and statements of compliance with PADI Standard Safe Diving Practices Statement of Understanding.
3. Distinguish necessary diving equipment and its support function applied to the diver.
4. Identify, assemble and demonstrate safe use of scuba equipment and demonstrate scuba and skin diving skills.
5. Apply if desired for Open Water Testing and PADI certification.

Relationship to Academic Programs and Curriculum:

This course will satisfy 2 Credit Hours of Physical Education.

College Learning Outcomes Addressed by the Course:

- | | |
|---|---|
| <input type="checkbox"/> writing | <input type="checkbox"/> computer literacy |
| <input type="checkbox"/> oral communications | <input checked="" type="checkbox"/> ethics/values |
| <input checked="" type="checkbox"/> reading | <input type="checkbox"/> citizenship |
| <input type="checkbox"/> mathematics | <input type="checkbox"/> global concerns |
| <input checked="" type="checkbox"/> critical thinking | <input type="checkbox"/> information resources |

III. Instructional Materials and Methods

Types of Course Materials:

(PADI Text and Material)
Open Water Diver Manual
Student Record File
Diver Log Book – Start Up Module
Recreational Dive Planner

Methods of Instruction (e.g. Lecture, Lab, Seminar ...):

Interactive Instructor Lecture, Video, Slide, Demonstration, and Confined Water experiences by the participant. Practical use and care of Scuba equipment.

IV. Assessment Measures (Summarize how the college and student learning outcomes will be assessed):

The Physical Education and Integrated Health Care Department believes each instructor should determine the grading system and evaluation methods that will be used in their section of the course. The methods of assessment must be communicated through the Course Outline that is given to the students the first week of the semester. Possible assessment methods include: quizzes, tests, collected assignments, group activities and demonstration of skills and performance. Such assessments and related assignments will develop critical thinking techniques and reading, along with developing ethics and values regarding an appreciation of lifetime physical activity.

V. General Outline of Topics Covered:

Module One - Introduction, Equipment, Scuba Systems, Buddy system, Textbook Knowledge Review. Confined Water Skills including, breathing air underwater, weighting, regulator clearing and recovery, accents and descents.

Module Two - Respiration, Diving Equipment, Communication, U/W Buddy Skills, and Textbook Knowledge Review. Confined Water Skills regarding swim testing, entry, snorkeling, mask clearing and replacement, BCD inflation and weight belt removal and replacement

Module Three - Diving Environmental, Planning, Boat Procedures, Open Water Skills, Knowledge Review. Confined Water Skills including assisting others, air depletion alternatives, Supplying Alternate Air and buoyancy exercises.

Module Four - Accessory Equipment, Health, Breathing Air at Depth, Dive Tables, Recreational Dive Planner, and Knowledge Review. Confined Water Skills such as skin diving techniques and skill controlling techniques and practice.

Module Five - Special Circumstance Planning, Interval Calculation, Navigation, Summary of Safe Diving Procedures. Final Exam and Review. Confined Water Skills of air depletion and BCD removal and replacement.