

Cover Sheet: Request 13572

PEN 2138 Advanced SCUBA Diving

Info

Process	Course Modify Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Scott Sager sasager@ufl.edu
Created	2/3/2019 1:03:39 PM
Updated	2/22/2019 2:14:29 PM
Description of request	Update course from two credits to three credits, change course description, etc.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Forest Resources and Conservation 514946000	Terrell Baker III		2/4/2019
syllabus_PEN2138 Advanced SCUBA Diving.docx					2/3/2019
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Approved by CALS CC on 2/15/19.	2/22/2019
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/22/2019
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Course|Modify for request 13572

Info

Request: PEN 2138 Advanced SCUBA Diving

Description of request: Update course from two credits to three credits, change course description, etc.

Submitter: Scott Sager sasager@ufl.edu

Created: 2/3/2019 12:52:33 PM

Form version: 1

Responses

Current Prefix PEN

Course Level 2

Number 138

Lab Code None

Course Title Advanced SCUBA Diving

Effective Term Earliest Available

Effective Year Earliest Available

Requested Action Other (selecting this option opens additional form fields below)

Change Course Prefix? No

Change Course Level? No

Change Course Number? No

Change Lab Code? Yes

Current Lab Code None

Proposed Lab Code C

Change Course Title? No

Change Transcript Title? No

Change Credit Hours? Yes

Current Credit Hours 2

Proposed Credit Hours 3

Change Variable Credit? No

Change S/U Only? No

Change Contact Type? No

Change Rotating Topic Designation? No

Change Repeatable Credit? No

Maximum Repeatable Credits 3

Change Course Description? Yes

Current Course Description Underwater navigation for night, low visibility, current, river and deep diving. Includes site evaluation, dive planning, equipment, medical aspects and search and recovery. Payment of required additional course fees and successful completion results in certification as advanced scuba diver. Six open water field trip dives are required.

Proposed Course Description (50 words max) Course provides advanced SCUBA training. Topics include physics, physiology, decompression, and oceanography/ecology. Pool sessions cover rescue, double cylinders, full facemasks, night/limited visibility techniques, search, recovery, salvage techniques, and underwater task loading. Completion results in NAUI certification in Advanced SCUBA, Enriched Air Nitrox, SCUBA Rescue, First Aid, CPR, and Oxygen Provider.

Change Prerequisites? No

Change Co-requisites? No

Rationale Course was historically "owned" by the College of Health and Human Performance, but not offered... the course material was offered as an FAS4932 for three credits. In 2015 the course was transferred from CHHP to CALS-SFRC, but was a two-credit version. This request increases the number of credits, updates the course description, etc. The course material has been offered through SFRC-FAS for over two decades.

PEN2138C *Advanced SCUBA Diving*

3 Credits

Spring 2018

Course Description

Course provides advanced SCUBA training. Topics include physics, physiology, decompression, and oceanography/ecology. Pool sessions cover rescue, double cylinders, full facemasks, night/limited visibility techniques, search, recovery, salvage techniques, and underwater task loading. Completion results in NAUI certification in Advanced SCUBA, Enriched Air Nitrox, SCUBA Rescue, First Aid, CPR, and Oxygen Provider.

Instructors and Qualifications

Doug Marcinek, *Instructor, UF Science Diver Development Program Coordinator*

marcinek@ufl.edu - 352.273.3626 - Available by appointment

NAUI Course Director & Technical Instructor - IANTD Technical Instructor

Larry Meyer, *Instructor*

lawrence.meyer@ufl.edu - 904.646.7951 - Available through Canvas

NAUI Instructor

Cheryl Thacker, *UF Dive Safety Officer & Instructor*

cthacker@ehs.ufl.edu - 352.392.1661 - Available by appointment

NAUI Course Director, UF Dive Safety Officer

Objectives

Upon successful completion of this course, each student will:

- Apply the science and technology applicable to SCUBA to diving.
- Develop and safely execute complex SCUBA dives.
- Describe advanced SCUBA techniques such as open water diving, night diving,

limited visibility diving, and deep dives.

Course Meeting Times and Locations

Lecture Location: Online or on Wednesdays, periods 11-E1 (6:15-8:10 p.m.) Room TBD. Weeks 2, 3 and 4 will meet at the Environmental Health & Safety Office, 3051 Longleaf Road for 1st aid, CPR and 02 Administration instructional and practice rotations.

Lab Location: Every week at the Florida Pool on Thursdays, periods E1-E2 (7:20-9:10 p.m.)

Open water training dives will be held over three weekends during the semester. Two weekends will involve dives in local area springs. The third weekend will involve travel to Pompano Beach for ocean/boat dives.

Required Texts / Readings / Equipment

(Package options are available for purchase)

1. *NOAA Diving Manual, 5th edition (available through UF Scientific Diving Program)*

<https://www.bestpub.com/books/product/noaa-diving-manual-5th-edition-softcover-textbook.html>

2. *NAUI Air Table*

3. *Mask, Snorkel, Fins and neoprene dive booties, and Weight Belt (by 1st week of pool)*

4. *Watch – Water resistant to 50 meters (required by 2nd week of pool)*

Suggested: <http://www.freestyleusa.com/shark.html>

5. *Dive Slate w/Pencil (required by 2nd week of pool)*

Suggested: <https://www.divegearexpress.com/slates>

6. *Line Cutting Device (required by pool session 4)*

Suggested: <https://www.divegearexpress.com/cutting-tools>

10. *Dive light (required by pool session 4)*

Suggested: <https://www.divegearexpress.com/dgx-600-handheld-light>

11. *Surface Marker Buoy (required by pool session 4)*

Suggested: <https://www.divegearexpress.com/dive-rite-5-ft-15-m-surface-marking-tube-w-built-in-sleeve>

12. *Reel/Spool (required by pool session 4)*

Suggested: <https://www.divegearexpress.com/dgx-deco-reel-x-large-s-s-snap>

<https://www.divegearexpress.com/dr-plastic-finger-spool-small-50-ft-15-m-white-line-s-s-snap-2986>

12. *Gear bag*

Class Format and Policies Attendance Policy

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

Prerequisites to Participation in Advanced Open Water SCUBA

Students must already hold a Basic Open Water SCUBA certification from a recognized certification agency. **Students must bring a copy of their certification card(s) (both front and back) to the first class for inclusion in their student records folder.** Students must bring their SCUBA logbooks for review of recent diving activity.

Skills Evaluation

The first lab session will consist of a swim and skills evaluation and completion of a medical history questionnaire. Students must successfully complete the swim evaluation and not have any medical contraindications to participation in SCUBA activities in order to continue in the course.

The swim evaluation consists of the following and must be successfully completed:

- Swim 400 yards using 4 different strokes- crawl, side, back, and breast.
- 25 yard underwater swim in one breath.
- Tow another swimmer 25 yards without swim aids.
- Tread water for 10 minutes with the last two minutes keeping hands out of water.

- The diving medical history questionnaire and information on contraindications to participation in SCUBA diving activities can be found at:
<http://www.naui.org/PDFfiles/Commonly%20Used%20Forms/NAUI%20Medical%20Evaluation%20and%20Physician%20Approval%20Form.pdf>

The basic SCUBA skills evaluation consists of the following and is used to gauge the student's basic SCUBA competency:

- Correctly assemble SCUBA equipment.
- Giant stride entry into the water and establishment of neutral buoyancy.
- Removal, replacement and clearing of mask.
- Removal, recovery, and clearing of the primary second stage regulator.
- Removal and replacement of the SCUBA unit while underwater (doff-n-don).
- Alternate Air Share with ascent.
- Obtain and maintain neutral buoyancy.
- Buddy breathing (Instruction is provide followed by student practice).
- Proper exit from the water and break-down of SCUBA equipment.

On the first open water checkout dive a SCUBA competency evaluation will take place. The competency evaluation consists of the following and must be completed successfully prior to additional open water training dives:

- Proper gear assembly and entry.
- Mask removal/replace and clearing.
- Regulator, recovery, and clearing of the primary second stage regulator.
- Controlled Emergency Swimming Ascent (ESA)
- Neutral buoyancy
- Alternate Air Share with ascent as both a donor and receiver
- Doff-n-Don of SCUBA rig on surface

- Buddy Breathing (stationary)

SCUBA Knowledge Evaluation

Students will be assigned the standard NAUI Open Water Diver Examination through eLearning in order to assess their level of basic SCUBA knowledge. As different training agencies have different standards, the sole purpose of the assignment is to gauge the depth of student knowledge. Lecture material presented throughout the course may be modified to remediate topic areas as determined based on the results of the exam.

Course Fee

Advanced Course Fee: \$750, includes Advanced, Rescue, Nitrox and DEMP certifications. Due dates will be announced in class. An additional **\$50 per week late fee** will be assessed for any fees paid after that date. **Failure to pay ALL course fees will result in non-certification and student records being flagged.** Payment Information including links will be provided in class. Make sure that you pay for the proper course number. VISA, Mastercard, and American Express are accepted. **Bright Futures will not cover this fee.** Included in the fee:

- NAUI certified instructors for all water activity
- If earned, NAUI certification fees and certification cards
- Open Water site entrance fees and boat fees
- Use of UF SCUBA Equipment (tank, regulator, BCD) for all water activity.

Certification

In order to be eligible for certification students must:

- Attend all lecture and pool sessions unless excused.
- Score >80% on all examinations and be coached up to 100% to the satisfaction of your instructor.
- Be coached up to 100% on the decompression portions of all quizzes and exams to the satisfaction of your instructor.
- Complete the class with a minimum overall grade of 80%.

- Score >80% on all skill evaluations.
- Pay all fees.
- Successfully complete all open water proficiency dives.
- Be recommended by your instructor as a safe and competent diver. “Training is purchased, certification is earned.” Payment of all course fees does not guarantee that you will earn certification in this course. Students who do not achieve the requisite level of competency or who exhibit unsafe behaviors and attitudes that could put themselves or others at risk of injury will not be certified.

SCUBA Equipment provided for the lab and open water dives

- Regulator with Safe Second, Pressure Gauge, and LP Inflator Hose
- Buoyancy Control Device
- Underwater Compass
- SCUBA cylinders and safe breathing air or nitrox

Equipment Notes:

You will be provided an Equipment Standards of Care form which you will be required to sign. This form outlines the care we expect you to take when using the University of Florida SCUBA equipment, as well as fees assessed for required repair or replacement of equipment resulting from misuse or neglect.

If you own your own regulator, BCD, and/or wet suit, you are more than welcome to use it for the class after it has been examined and deemed appropriate for use by a staff instructor.

Students will need to provide the appropriate thermal protection (wetsuit) for the open water dives. Additionally, the air temperature may be cool during pool sessions and open water dives so, bring appropriate protection from the elements.

Lecture

Lecture will be conducted online or in-person on Wednesdays from 6:15p.m. to 8:10p.m. Lecture material will follow the schedule posted in the online course. Quizzes will cover lecture and reading material. Homework turned in late will receive a points-deduction at the discretion of the instructor and must be turned in

or will result in loss of points toward final grade and may result in non-certification. Additionally, guest experts will present lectures during some classroom sessions.

Lab

Pool sessions will be held on Thursdays at the Florida Pool from 7:20p.m. until 9:10p.m. Pool sessions will follow the schedule posted below in the “Schedule of Class Topics”, but are subject to change due to weather and course modifications. Attendance is mandatory.

Cell Phones

Cell phones are to be turned off during all class periods. Cell phone use, including texting, will not be tolerated. Students using cell phones during class may be asked to leave and they will be marked as having an unexcused absence.

Grading

This is an academic course. You will earn 3 credit hours by completing this course. Your academic grade will be based on a point system with a perfect score requiring 1000 points. The number of points you may earn:

Participation –200 points (successful completion of the pre-assessment exam, active involvement in all activities, positive attitude during dive activities, and related)

Examinations –250 points (pre-exam, DEMP Course, Rescue Diver exam, Nitrox exam, Advanced Course exam)

Quizzes/Discussions/Article Reviews – 250 points

Skill Evaluations –300 points

Grading Scale:

1000-900 points	A
899-870 points	B+
869-800 points	B
799-770 points	C+
769-700 points	C
699-670 points	D+
669-600 points	D
599-0 points	E

Examinations: The pre-assessment exam is worth 50 points and is marked as either complete or incomplete. The DEMP, rescue diver, nitrox diver, and final exam are worth 50 points each, and are scored based on correct and incorrect answers.

Assignments submitted after the due date will be docked 10%.

Skill Evaluations: The skill evaluations are worth up to 300 points.

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Schedule of Class Topics

Week	Topic	Pool	Readings
1	Introduction	Skills	
2	Emergency Medical Care	Skills/Swim test	Chapter 19
3	Emergency Medical Care (EMC) (con.)	Skills Basic Rescue	Chapter 17 & 18 Appendix G
4	EMC Practicals Accident Management	Basic Rescue	
5	Physics	Advanced Rescue	Chapter 3
6	Physiology	Rescue Scenarios	Chapter 4
7	Decompression	Rescue Scenarios	Chapter 5, 11, & 20
8	Nitrox	Rotations	Chapter 7 Appendix A
9	Equipment	Rotations	Chapter 1 & 2 Appendix E
10	Physical Dive Environment	Rotations	Chapter 15
11	Biological Dive Environment	Rotations	Chapter 9
12	Search & Salvage	Rotations	Chapter 13.1 & 13.7
13	Science Diving	Rotations	Chapter 12
14	Special Topics	Rotations	TBD
14	Special Topics	Rotations	TBD
15	Special Topics	Skills make up	TBD

The above lecture schedule of topics may be adjusted due to the availability of guest

lecturers and scheduling of open water dives to insure needed topics are covered prior to those dives i.e. nitrox lecture falls before nitrox dives.

Additional References

UF SCUBA Web Site; UF Diving Science and Safety Program Web-Site; NAUI Web Site; Diver's Alert Network Web Site

<http://www.scuba.ufl.edu>

<http://www.ehs.ufl.edu/Dive>

<http://www.naui.org>

<http://www.dan.org>

Online Course Evaluation Process

Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open for students to complete during the last two or three weeks of the semester; students will be notified of the specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results>.

Academic Honesty

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity." You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know

and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code>.

Software Use

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Services for Students with Disabilities

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation

0001 Reid Hall, 352-392-8565, www.dso.ufl.edu/drc/

Campus Helping Resources

Students experiencing crises or personal problems that interfere with their general well-being are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

- University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575, www.counseling.ufl.edu

Counseling Services

Groups and Workshops

Outreach and Consultation

Self-Help Library

Wellness Coaching

- U Matter We Care, www.umatter.ufl.edu/
- Career Connections Center, First Floor JWRU, 392-1601, <https://career.ufl.edu/>.

Student Complaints

- Residential Course: <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>.