

Open Water SCUBA

PEN1136 (2 credits) Fall 2022

Course Description

This course provides entry level recreational SCUBA training in accordance with National Association of Underwater Instructors (NAUI) standards. This course is a prerequisite for advanced and scientific diver training.

Instructors and Qualifications

Doug Marcinek
Course Coordinator
marcinek@ufl.edu
352.273.3626
Available by appointment
NAUI Course Director
IANTD Technical Instructor

Mike Kutyna
Lecturer, Pool Instructor
Contact via Canvas
grommit@ufl.edu
Office Hours:
Wed 4:30-5:30PM

Larry Meyer
Open Water Instructor
Contact via Canvas
lawrence.meyer@ufl.edu

Katelyn Ludington
Open Water Instructor
Contact via Canvas

Hannah Roberts
Open Water Instructor
Contact via Canvas

Shea Husband
Open Water Instructor
Contact via Canvas

Kylle Cahill-Patray
Open Water Instructor
Contact via Canvas

Jared Freeman
Open Water Instructor
Contact via Canvas

Student Learning Outcomes

At the end of this course, each student will:

- Have a working knowledge of the science and technology applicable to SCUBA.
- Be able to plan and safely execute SCUBA dives independently.
- Have a high proficiency in basic SCUBA skills, requisite of continued training in the advanced and scientific diving courses.
- Upon the discretion of their instructor have internationally recognized SCUBA certification (NAUI).

Course Meeting Times and Section Instructors

<u>Lecture</u> All Sections Mike Kutyna	Florida Gym 0210 6:15 pm-8:10pm	Wednesday
<u>Lab</u> Section 17079 Larry Meyer, Katelyn Ludington	Florida Pool 8:30am-10:25am	Tuesday
Section 17078 Larry Meyer, Katelyn Ludington	10:40am-12:30pm	Tuesday
Section 17077 Shea Husband, Jared Freeman, Mike Kutyna	7:20pm-9:10pm	Tuesday

Required Texts/Readings/ Equipment

1. Scuba quality mask, snorkel, fins, weight belt, and neoprene dive booties (**required by 2nd pool session**). Gear package available for purchase through the class.
2. Provide your own wetsuit for local and Keys checkout dives. Either rental or purchase.
3. Watch- water proof to 50 meters minimum, 100 meter recommended (required for open water dives)

Recommended Reading/ Equipment

1. NOAA Diving Manual, 5th or 6th Edition, ISBN 978-1-930536-88-3
2. Dive Slate w/ Pencil
3. Line cutting device (for open water dives)

Class Format and Policies

PEN1136 is an intensive lecture/lab/certification course that will result in internationally accepted SCUBA certification. Due to the intrinsic risks associated with SCUBA and the rapid pace of skill and knowledge development it is essential that students attend every lecture and lab session.

Prerequisite to Participation in PEN1136 Open Water SCUBA

The first pool session will consist of a watermanship evaluation and completion of a medical history questionnaire. Students must successfully complete the watermanship evaluation and not have any medical contraindications to participation in SCUBA activities in order to continue in the course. The watermanship evaluation consists of the following:

- Underwater swim of 20 yards on one breath of air with no push off.
- 400 yard continuous swim using the freestyle, sidestroke, breaststroke, and backstroke for 100 yards each.
- 15 minute tread water
- Recovery and replacement of an 8 pound dive weight in 12 feet of water.

The diving medical history questionnaire and information on contraindications to participation in SCUBA diving activities can be found in the Files section in Canvas.

Course Fee

- \$625.00 if providing your own mask, snorkel, fins, and booties
- \$295 + tax for the basic scuba equipment package if you purchase it through the Scuba program
- \$100.00 for each Make Up dive if you are unable to attend the regularly scheduled dives

Due: **23 September 2022**

An additional **\$50 per week late fee** will be assessed for any fees paid after this date.

Failure to pay ALL course fees will result in non-certification and student records being flagged.

Payment Information:

Payments will be made online following the link to DoCE in Canvas.

Make sure that you pay for the proper course- **PEN1136 Open Water SCUBA**.

VISA, Mastercard, and American Express are accepted. **Bright Futures will not cover this fee.**

Included in the fee:

- NAUI Active registered instructors for all water activity
- NAUI e-Learning course
- Scuba Decompression Tables & regulator necklace
- NAUI Certification fees and digital certification card
- Open water diving certification fees
- SCUBA equipment used for the lab and open water dives:
 - Regulator
 - Buoyancy Control Device
 - SCUBA Cylinders and safe breathing air

Equipment Notes:

- You must provide your own wetsuit for the open water checkout dives. You may either purchase your own wetsuit or rent it from one of the local dive shops.
- 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.

Lecture

Lecture material will follow the schedule posted below in the “Schedule of Class Topics”. Students are expected to complete any readings and homework prior to lecture. Lectures will be in person. Known excusable conflicts must be worked out with your instructor prior to the absence. Quizzes will cover lecture and reading material. There will be no make-ups for quizzes. Quizzes missed for a valid UF excuse will be dropped. Homework turned in late will receive a zero grade and must be turned in or will result in non-certification.

Lab

Pool sessions will be held on Tuesdays at Florida Pool. Pool sessions will follow the schedule posted below in the “Schedule of Class Topics”. It is important that students attend the pool section for which they registered as allowable student to instructor ratios are set by the certification agency. Attendance is mandatory. Known excusable conflicts must be worked out with your instructor prior to the. Pool session make-ups will be conducted on Thursday evenings.

Certification/Open Water

In order to be eligible for certification students must:

- a. Attend all lecture and pool sessions.
- b. Score $\geq 80\%$ on the final examination and be coached up to 100% to the satisfaction of your instructor.
- c. Be coached up to 100% on the decompression portions of all quizzes and exams to the satisfaction of your instructor.
- d. Complete the class with a minimum overall grade of 70%.
- e. Score $\geq 80\%$ on all skill evaluations.
- f. Pay all fees.
- g. Successfully complete all open water proficiency dives.
- h. Be recommended by your instructor as a safe and competent diver.

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 will receive a 50 point grade deduction.

Assignments

- There are weekly quizzes and homework assignments in the lecture. Lecture attendance is mandatory and NO make-ups will be allowed. All quizzes and exams are cumulative. Quizzes may be administered every week. Exams are **tentatively** scheduled for:

12 October 2022	Decompression & Dive Table Exam
30 November 2022	Final Comprehensive Exam
- The laboratory pool sessions utilize progressive skill development. Pool attendance is mandatory. Known conflicts must be worked out with your instructor in advance and a makeup session scheduled. Pool skills will be evaluated for proficiency.
- This course includes two weekends of SCUBA proficiency dives. These dives are scheduled for:

3-6 November 2022	Local Springs Dives
3-4 December 2022	Florida Keys Boat Dives

Attendance at both of these dive events is required for certification. Missing or failing to complete any portion of these dives will result in non-certification. Make-ups will be scheduled on a case by case basis and will incur additional fees. Transportation, food, and lodging are the responsibility of the student and are not included in the course fees.

Reading Assignments

Reading assignments from the NOAA Diving Manual are listed in the Canvas modules.

Evaluation of Student Learning

Quizzes/ HW	300	Points
Exam 1	100	Points
Exam 2	200	Points
Attendance / Safety	400	Points
Unexcused Lecture Absence	-50	Points
Unexcused Pool Absence	-50	Points
Unexcused Pool Tardiness	-25	Points

Attendance / Safety Points are points that can be deducted from a student's grade for repeated unsafe behavior or repeated abuse or misuse of University of Florida equipment, be it intentional or not.

A student may check their point standing at any point during the semester with their pool instructor or via Canvas.

Grading Scale

Points: 900-1000 800-899 700-799 600-699 <600
Grade: A B C D E

Additional information on grading may be found at:

<http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>

Course Topics

Lecture:

- Introduction
- Personal Equipment
- Scuba Equipment
- Scuba Physics
- Scuba Physiology
- Decompression Theory
- Dive Tables
- Dive Planning
- Dive Environment
- Problem Solving
- Guest Speakers

Pool Sessions:

- Swim Test
- Skin Diving
- Gear Setup
- Entries/Exits
- Basic Scuba Skills
- Buoyancy
- Out of Air Contingencies
- Scuba Rescues
- Gear Removal & Replacement
- Navigation
- Conducting Dives

Additional References

UF SCUBA Web Site

<http://sfrc.ufl.edu/class/scuba>

UF Diving Science and Safety Program Web Site

www.ehs.ufl.edu/Dive

NAUI Web Site

www.naui.org

IANTD Web Site

www.iantd.com

Diver's Alert Network Web Site

www.dan.org

Other Information

Academic Honesty, Software Use, UF Counseling Services, Services for Students with Disabilities, Course Evaluations.

In 1995 the UF student body enacted an [honor code](#) and voluntarily committed itself to the highest standards of honesty and integrity. When students enroll at the university, they commit themselves to the standard drafted and enacted by students.

In adopting this honor code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the university community. Students who enroll at the university commit to holding themselves and their peers to the high standard of honor required by the honor code. Any individual who becomes aware of a violation of the honor code is bound by honor to take corrective action. The quality of a University of Florida education is dependent upon community acceptance and enforcement of the honor code.

The Honor 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.

On all work submitted for credit by students at the university, the following pledge is either required or implied: "**On my honor, I have neither given nor received unauthorized aid in doing this assignment.**"

The university requires all members of its community to be honest in all endeavors. A fundamental principle is that the whole process of learning and pursuit of knowledge is diminished by cheating, plagiarism and other acts of academic dishonesty. In addition, every dishonest act in the academic environment affects other students adversely, from the skewing of the grading curve to giving unfair advantage for honors or for professional or graduate school admission. Therefore, the university will take severe action against dishonest students. Similarly, measures will be taken against faculty, staff and administrators who practice dishonest or demeaning behavior.

Students should report any condition that facilitates dishonesty to the instructor, department chair, college dean or Student Honor Court.

(Source: 2010-2011 Undergraduate Catalog)

It is assumed all work will be completed independently unless the assignment is defined as a group project, in writing by the instructor.

This policy will be vigorously upheld at all times in this course.

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.

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.

- *U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit umatter.ufl.edu/ to refer or report a concern and a team member will reach out to the student in distress.*
- *Counseling and Wellness Center: Visit counseling.ufl.edu/ or call 352-392-1575 for information on crisis services as well as non-crisis services.*
- *Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or visit shcc.ufl.edu/.*
- *University Police Department: Visit police.ufl.edu/ or call 352-392-1111 (or 9-1-1 for emergencies).*
- *UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; ufhealth.org/emergency-room-trauma-center.*
- *E-learning technical support: Contact the UF Computing Help Desk at 352-392-4357 or via e-mail at helpdesk@ufl.edu.*
- *Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services career.ufl.edu/.*
- *Library Support: cms.uflib.ufl.edu/ask various ways to receive assistance with respect to using the libraries or finding resources.*
- *Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352-392-6420. General study skills and tutoring. teachingcenter.ufl.edu/*
- *Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers. writing.ufl.edu/writing-studio/*
- *Student Complaints On-Campus: sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/*
- *On-Line Students Complaints: distance.ufl.edu/student-complaint-process/*

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.

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

Course Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/> . Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/> . Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/> .

PEN1136 OPEN WATER SCUBA SUMMER 2022 Syllabus Addendum
Policies and Procedures to mitigate the risks of COVID-19

- Class size has been reduced so that there will be no more than 20 students at the pool at any time, divided into groups of six to no more than eight students.
- All lectures will be online.
- Timely attendance is more critical than ever with the additional procedures and the shortened semester.
 - Timely attendance is expected starting on DAY ONE of the scheduled pool sessions- May 10th.
 - Upon the fourth tardy or absence from the pool sessions a student will be dropped from the lab and no longer be eligible for certification. They will continue with the academic portion of the class for course credit.
 - If two or more of the tardies or absences are unexcused the student will receive no refund of course fees.
 - If three or more of the tardies or absences are excused the student will receive a refund of course fees based on the schedule posted below.
- Medical clearance will be required of anyone who has been in contact with an individual who has tested positive for Covid (per medical history questionnaire).
- IR Temperature and Blood Oxygen Levels will be taken and tracked for staff and students prior to starting every pool lab session.
- Double layer cloth face masks must be worn on the pool deck at all times before entering the water. Upon entering the water, all students will breathe from their regulator at all times unless they need to ask/answer a question. Spatial Distancing will be enforced.
- Equipment sanitation procedures will be performed per Divers Alert Network Industry Protocols and the EPA's List N: Disinfectants for Use Against SARS-COV-2
 - <https://www.diversalertnetwork.org/emailview/landing/coronavirus/gearDisinfection/index.html>
 - <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2-covid-19>
- Open Water Dive groups will be no more than four students at a time.
- If the University finds it prudent to cease in person instruction during the semester the academic online portion will continue for course credit and partial refunds will be issued on the following schedule. This schedule will also apply to students who need to medically drop, or are dropped due to excessive excused absences during the semester:
 - Closure/drop between 2-6 weeks: \$275
 - Closure/drop between 6-10 weeks: \$175
 - Closure/drop after 10 weeks or inability to perform checkout dives due to closure- \$125
 - In this event a not for credit option to complete certification will be made available when conditions permit.
 - It this occurs within six months it will cost the students \$125
 - If this occurs beyond six months it will cost the students \$150 and include refresher sessions in the pool.