

Scientific Diving Syllabus

MSL 420

Spring 2008

Fees: \$425 This covers: pool work, gear rental, tanks, lodging and food during spring break

*This does not cover: transportation to the lab, medical physical, CPR, First Aid, O2 certifications.

Instructor: Brenda Konar
bkonar@guru.uaf.edu telephone: 474-5028
Open office hours – 225 ONL just come by
Scientific Diving Web Site: <http://www.sfos.uaf.edu/dive/>

TTW Instructors: Mitch Osborne TTW telephone: 490-4444

TA: Shawn Harper
fssth@uaf.edu telephone: 474-5243

Classes will be held at either UAF or Hamme Pool. See schedule for locations
UAF: 214 O'Niell Bldg, unless otherwise specified
Hamme Pool: at Lathrop High School (bring: lock, swim suit, towel & any personal dive gear)

Course Description:

Completion of this course will allow students to be eligible to join the UAF (AAUS) dive program. This will allow students to dive on UAF sanctioned diving projects and have reciprocity to dive with other universities and government agencies. The course will introduce and familiarize students to SCUBA diving techniques commonly used in the research community. The course also will familiarize students with local Alaska subtidal flora and fauna and give students an opportunity to work underwater.

We will spend several weeks in Fairbanks mastering skills and passing evaluations and then will spend Spring Break diving at the Kasitsna Bay Laboratory. After several check-out dives at the lab for specific skills, the students will assist with diving projects being conducted by the Advanced Scientific Diving students.

This course also can certify students with a Research Diver Specialty and Dry Suit Specialty (PADI). We do the coursework for these specialties. If you would like a PADI card, there is a PADI card fee.

Prerequisite: This course is open to both undergraduates and graduates. An Open Water SCUBA certification is required. Current CPR, First Aid and Emergency Oxygen Administration certifications also are required. If a student does not have these, courses will be offered at a reduced rate through this class. A SCUBA medical physical also is required. If a student does not have a current AAUS sanctioned physical, the health center offers most of the required tests, however, some must be done at other locations. Students are responsible for the cost of the SCUBA physical. Graduate students and staff within UAF should talk with Konar about special conditions regarding physicals.

Required Books: none
Organism keys and field guides will be provided while at the Kasitsna Bay Laboratory.

Scientific Diving Manual must be reviewed:
<http://www.sfos.uaf.edu/dive/manual/contents.html>

Grading: Pass/Fail. A pass will result after the successful completion of all pool and open ocean skills. Also, a current CPR, First Aid and Emergency Oxygen Administration certification is required before a Pass will be given.

SCHEDULE:

DATE	TIME	LOCATION	TOPIC
1/30	5pm	(UAF)	Orientation, paperwork, requirements, Introduction to drysuits
2/4	5-8pm	(UAF)	Emergency Oxygen Administration (optional) \$23:12 folks/max)
2/5	5-8pm	(UAF)	Emergency Oxygen Administration (optional) \$23:12 folks/max)
2/6	5pm	(TTW/Hamme)	TTW for drysuit fitting then go to Hamme for swim evaluation
2/13	630pm	(Hamme)	swim evaluation, AAUS drills
2/18	5pm	(UAF)	CPR (optional) (\$8 for both CPR and First)
2/19	5pm	(UAF)	CPR (optional)
2/20	630pm	(Hamme)	swim evaluation, drysuits
2/26	5pm	(UAF)	First Aid (optional)
2/27	5pm	(UAF)	First Aid (optional)
3/5	630pm	(Hamme)	catch-up, rescue

Mar 8-16

SPRING BREAK at KASITSNA BAY LABORATORY

<http://www.westnurc.uaf.edu/kbay.html>

During this time the following will be completed:

- Open water, drysuit, compass and rescue drills
- Group Projects, introduction to local flora and fauna
- Assist with Advanced Student Projects
- There will also be a fun slide show by Mitch

*for \$15 each, you can get PADI specialty cards for Drysuits and Research

*TTW will offer a reduced flashlight rental fee if you want to do night dives while at the lab

Course policies:

Attendance is required. Failure to attend classes without prior instructor approval will result in a failure.

Support and Disability Services:

The Office of Disability Services (203 WHIT 474-7043) implements the Americans with Disabilities Act and insures that UAF students have equal access to the campus and course materials. Students with disabilities can be assured that they will be provided with reasonable accommodation.

The class is a field course. Facilities at the lab are disability accessible. However, SCUBA diving excursions are required.