

**Scientific Diving Syllabus**  
**MSL 220**

Phone: 4745028  
Monday 4:45pm or call/email for appointment  
<http://www.sfasf.edu/dive/>

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**TTW Instructor Mitch Osbornedive**

**gear**

**Learning Objectives:** This course will 1) train students to use scuba as a research tool, 2) assist students to become proficient in cold water diving techniques, 3) allow students to become eligible to join the UA diving program, and 4) assist current AAUS students to remain active in the UA dive program.

**Course Description:** Completion of this course will allow students to be eligible to join (or remain active in) the UA dive program. This will allow students to dive on UA 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 and completing a

Students will assist with diving projects being conducted by the  
assist in a survey for invasive species.

Students with a Research Diver Specialty and Dry Suit  
coursework for these specialties. If you would like a PADI  
. Please let us know in the first couple weeks if you want to

open to both undergraduates and graduates and can be

qualification is required.

-Current CPR

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

### SCHEDULE:

DATE	TIME	LOCATION	TOPIC
1/17	5pm	(UAF)	Orientation, paperwork, requirements.
1/24	5pm 645pm	(UAF) (Hamme)	Drysuit presentation Swim evaluation/AAUS skills
1/31	5pm 645pm	(TTW) (Hamme)	Drysuit fitting at Test the Waters AAUS skills/swim evaluation
2/7	5pm 645pm	(UAF) (Hamme)	Overview of AAUS regulations drysuit and AAUS skills /swim evaluation
2/14	645pm	(Hamme)	drysuit skills /swim evaluation
2/21	5pm 645pm	(UAF) (Hamme)	Rescue overview rescue drills/ <b>last day to pass swim evaluation</b>
2/27 (Tuesday)	5pm	(UAF)	this is an additional Emergency oxygen session. Please note that it is in 201 ONL
2/28	5pm	(UAF)	Emergency Oxygen Administration (if cert is not current) \$23:12 folks/max ...
3/7	645pm	(Hamme)	make-up day
Mar 11-19			SPRING BREAK at KASITSNA BAY LABORATORY <a href="http://www.westnurc.uaf.edu/kbay.html">http://www.westnurc.uaf.edu/kbay.html</a> During this time the following will be completed: Drysuit video Navigation and rescue lectures AAUS Open water, drysuit, and rescue (beach and boat) drills Various lectures/presentations Assist with second year projects Introduction to local flora and fauna Biodiversity Treasure Hunt AAUS Exam There may also be fun slide shows by various people

\*for an extra fee, you can get PADI specialty cards for Drysuits and Research through TTW