

University of Miami
Introduction to Research Diving Techniques
MSC 201 Course Syllabus
Spring 2009

Note: This is a tentative schedule and may change during the semester due to weather and scheduling conflicts

- Jan. 21: Introduction and orientation, History of Scientific Diving in the US, OSHA and Scientific Diving, AAUS, UM Scientific Diving
- Jan. 26: Finish History of Scientific Diving in the US, OSHA and Scientific Diving, AAUS, UM Scientific Diving, Role of SCUBA in marine sciences, Start SCUBA Equipment
- Jan. 28: Continue SCUBA Equipment Lecture (Paperwork Due Date)
Pool Session – Swim test (BRING - Mask, Snorkel, Fins)
- Feb. 2: Dive Tables and Dive Planning
LAB FEE \$75 Due Date, PHYSICAL DUE
- Feb. 4: Diving Physics (Bring calculator)
Pool session – Equipment fit and familiarization, SCUBA skills - buoyancy, trim, & propulsion techniques
- Feb. 9: Diving Physiology (Circ. and Resp. systems, resp. problems, effects of pressure, diving related illnesses, etc)
- Feb. 11: Continue Diving Physiology
- Feb. 16: Start Safety Training
Pool Session- SCUBA – Buoyancy, trim, & propulsion techniques, Basic 5
- Feb.18: Safety Training Cont.
Safety Training Cont.
- Feb. 22: Open water dives - RJ Diving Ventures 7:00 am - 1:00 pm
- Feb.23: Safety Training Cont.
Safety Training Cont.
- Feb. 25: Safety Training
Pool Session- SCUBA Skills Practice
- Mar 1: Open water dives – RJ Diving Ventures 7:00 am - 1:00 pm
- Mar. 2: Safety Training – Quiz, Neuro, Exam
Possible Pool Session

Mar 4: Rescues
Pool Session – Rescues

Mar. 9 & 11: Rick and Noelle @ AAUS

Mar. 16 – 20: Spring Break

Mar. 23: Navigation, & Environment

Mar. 25: MID-TERM EXAM (Abstract for Paper Presentation Due)

Mar. 30: Biological/Ecological techniques – Speaker – Klaus Hubert
Pool Session – Rescues

Apr. 1: Fish ID – Speaker - TBA

Apr. 5: Open water dives – Miami Beach Marina - RJ Diving Ventures

Apr. 6: Geological/Benthic techniques – Speaker – Noelle

Apr. 8: Physical Oceanography & Boating and seaman ship – Speaker – RV FG
Walton Smith Capt. Shawn Lake
Possible Pool Session – Skills practice

Apr. 12: Open water dive – Bear Cut – 11:00 AM – 3:00 PM

Apr. 13: Archaeological Techniques – Speaker – Dr. John Gifford
Pool Session - Excavation techniques practice

Apr. 15: Compressor Operations/Tank Filling & Prep for Little Salt Spring
Possible Pool Session

Apr. 17 - 19: Little Salt Spring Full Immersion Weekend – Details TBA

Apr. 20: Deep diving and decompression theory

Apr. 22: Photography/video in underwater data collection –Speaker – TBA

Apr. 27: Student Presentations

Apr. 29: Student Presentations

May 8: FINAL EXAM