

Scientific diving course – 3 credits

Course Number: 227.4058

Lecturer: Dr. Beverly Goodman-Tchernov, Prof. Tali Mass, and Prof. Tali Treibitz

Office Hours: All lecturers' appointments are with advance coordination in the Multipurpose building. Contact information: Dr. Beverly Goodman-Tchernov's email: bgoodman@univ.haifa.ac.il; Prof. Tali Mass' email: tmass@univ.haifa.ac.il; Prof. Tali Treibitz's email: ttreibitz@univ.haifa.ac.il

Course Type: Lectures and field work

Course Level: MSc/ PhD

Prerequisites: Open water diving certificate with 25 recorded dives, or advanced open water certificate with 20 recorded dives

Course Description:

Course brings students through training for qualification as basic scientific divers within the AAUS system (certified to do scientific work to 12 m). The primary training will give the students the ability to perform elementary scientific field tasks.

Topics:

1. Survey preparation.
2. Measuring underwater (depth, objects, distances).
3. Buoyancy.
4. Task-loading.
5. Using instruments.
6. Environmental awareness.
7. Permits and permissions.
8. Planning scientific dive.
9. Photographing underwater.
10. Safety planning.

Requirements: 100% attendance.

Grading:

1. 40% final dive with all elements from boat.
2. 20% Underwater exam (both content and buoyancy element-test on slates).
3. 40% Final assignment: Submission of Scientific Dive Project as would be submitted to review committee and DSO (Template to be Provided). Individual assignment. Due Date to be announced, about 2-4 weeks following course.