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Marine
Sciences
UNIVERSITY
OF HAIFA

**Course title**: Departmental cruise

**Course scope**:

- 5 meetings, 2 hours each
- Up to 18 hours cruise

**Objectives**:

Learn how to plan, implement and lead sea experiments from the hypothesis question, through data collection, and until analysis and conclusions. The course would allow the student to pick his/her research question, to define the method of data collection, to plan the experiment's objectives, and to perform the experiment at sea. The student learns how to lead and be part of a team that runs a sea experiment, and how to analyze the results.

**Evaluation method**:

1. Report and presentation: research plan. 20%
2. Report and presentation: experiment's analysis and conclusions. 30%
3. Active participation in the research cruise: leading and being part of a team. 50%.

**Required achievement**:

Understanding the complexity of preparing and managing a sea experiment in aspects of safety, managing the personal, data handling, and equipment testing. Develop capabilities to empirically investigate a research question.

**Course content**:

- Week 1 – Example of how to plan a sea experiment.
- Week 2 – Visit to the research vessel.
- Week 3 – student present their experiment plan.
- Week 4 – Invited lecture to show another angle how to manage sea experiments.
- Week 5 – Sea experiment
- Week 6 - student present their experiment analysis and conclusions.

**Preliminary requirements**:

Course is intended to students from the Dep. Of Marine Technologies only.