

Recent advances in computational geophysics – 2 credits

Course Number: 224.4107

Lecturer: Dr. Regina Katsman

Office Hours: Monday 12:00-14:00, Multipurpose Building – Room 261, tel. 048288979, email: katsman@univ.haifa.ac.il

Course Type: Workshop

Course Level: MSc/ PhD

Prerequisites: No

Course Description:

The objective is to gain exposure to recent advances in the computational geophysics having an importance to the studies conducted by the students. The lectures are presented by students and faculty members. The meetings are supposed to widen the students research horizons. The lectures are followed by discussions. COMSOL Multiphysics software will be presented and trained in a separate workshop.

Topics:

Variety of the subjects related to computational geophysics and other Earth/Marine science related topics.

Learning Outcomes:

At the end of the course, students will be able to:

1. Broaden the research horizons of the students.
2. Get insights into studies from other fields.

Requirements: Attendance, Class presentations.

Grading: No final grade: Pass/Fail.

Reading List: Scientific papers on the selected subjects.