

Sea voyage –Sailing expedition for uncovering the Mediterranean Sea secrets 224.4095

מסע ים - משלחת שייט ללימוד רזי הים התיכון

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" Sailing expedition for uncovering the Mediterranean Sea secrets " course will discuss, in-situ (from a sailing boat), current topics relating to the Mediterranean, from natural sciences, through the humanities and social sciences, environmental, climate, to politics and current-day policies. The course will have two main types of activities: (1) interactively learn about sites of interest: pollution sites, MPAs, ports, marine transportation, Environmental Challenges and gas and oil exploration, (2) interactively learn about marine science, focusing on field work methods from a research boat.

The course will take place during the second semester containing seven meetings, such that four of which will include theoretical classes and cruises preparations and summaries, and three will include sailing cruises (6 hours each).

For the first type of activities (sites of interest), the participating students will prepare verbal lectures about sites of interest along the route of the cruise and will need to provide 10 min lectures about each site of interest along the way following 5 min discussion and questions. For the second type of activity (marine science field work), the students will plan and prepare the activities, will carry them out, will analyze the data, and will prepare the respective report. Sites of interest will include environmental, historical, scientific, and industrial importance. Each day will include one snorkeling event (only for who is interested). The student will handle the yacht under the instruction of the skipper (helm and sails). Marine scientific work will include towing plankton nets and students will examine the zooplankton samples under a binocular, examining the color and light properties of seawater, surveying the benthic habitat by snorkeling.

A tentative list of topics and locations is as follows:

- Day 1: Haifa: (the extent of the loop northward will depend on security limitations)
Optimally we will board in Kishon Marina and sail north to Acre.
 - Themo 1
 - שמורת ים שבי ציון
 - עכו - היטוריה
 - sewage+ מפעל מזהם כספית דרומית לעכו: תעשיות אלקטרוכימיות
 - שפך הקישון\ נמל הקישון
 - מקרי הסרטן של צוללי הקישון
 - שמורת ים כרמל\שקמונה
 - DeepLev
 - Themo 2
 - Habitat and geology of the region (Achziv canyon, Eollanite cliffs, Terrestrial ridges elongation, continental slope, deep sea). And the wildlife related to this habitat.
 - חי"ל
 - חיפה-היסטוריה
 - Vermatid reefs + snorkeling + Gil Rilov Lecture?

- (Heading southwards again)
- שמורת נווה ים
- שמורת דור הבנונים
- תל דור
- אסדת לווייתן
- קיסריה – היטוריה\ שקיעה
- מעגן מיכאל - בריכות הדגים
- Day 2: Herzelia
 - שמורת ים פולג
 - נחל פולג
 - סידנא עלי
 - תל ארשף – אפולוניה
 - הזיהום הצהוב - ניטרוגליצ'רין
 - חניה בהרצליה
 - תל אביב
 - ירקון
 - יפו
 - תחותימס
 - דייג מסורתי ארטיזנלי
 - אנדרומדה
 - פלמחים
 - סורק
 - יבנה ים
- Day 3 Ashdod
 - נמל אשדוד
 - נחל לכיש\ זיהום
 - כלובי דגים (בנמל ובים)
 - מחמל"י (אביעד שיינין?)
 - שמורת אבטח
 - מבצר אשדוד-ים
 - תל אשקלון
 - חניה באשקלון הסעות הביתה

* Whoever is not comfortable to sleep on the boat will have the opportunity to sleep in a tent in RATAG night camp (fully organized)

Assignments and grade composition:

- Reading assignments + Preparation of 6 oral lectures with notes (two 10 min lectures per day) (30%) *
- Reports following the cruises (30% of the grade)**.
- Participation in the discussions (30% of the grade)**.
- Being an excellent and helpful sailor (10% of the grade)