Syllabus

SYNOPTIC CLIMATOLOGY OF THE MEDITERRANEAN - 40458

Last update 17-02-2015

HU Credits: 3

Degree/Cycle: 2nd degree (Master)

Responsible Department: Geography

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Prof. Uri Dayan

Coordinator Email: msudayan@mscc.huji.ac.il

Coordinator Office Hours: Wed. 11:30-12:30

Teaching Staff:
Prof Uri Dayan
**Course/Module description:**
- Fundamentals and explaining the concept of Synoptic Meteorology
- Israel and the global circulation system.
- Dynamic conditions leading to upper air support toward development of a surface winter storm.
- Synoptic and Dynamic conditions during summer and winter.
- Evolution of a cold spell over the EM and its dissipation.
- Synoptic and Dynamic conditions characterizing the transitional seasons.

**Course/Module aims:**
- Understanding of the relationships existing between surface and upper layers of synoptic systems and their ensuing weather.

**Learning outcomes - On successful completion of this module, students should be able to:**
- Understanding of the relationships existing between surface and upper layers of synoptic systems and their ensuing weather.

**Attendance requirements(%):**
- 100

**Teaching arrangement and method of instruction:** Frontal teaching

**Course/Module Content:**
- See course description above

**Required Reading:**
- NR

**Additional Reading Material:**
- Lensky, I. M. and U. Dayan: Continuous detection and characterization of the Sea Breeze in clear sky conditions using Meteosat Second Generation, Atmos. Chem.

Course/Module evaluation:
End of year written/oral examination 100 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information: