

# International Intensive Course on the Geology of the Israeli Craterland



The complete rock cycle is exposed throughout the geological history of the Levant as it was shaped from the Precambrian era until present

מו"פ מדבר וים המלח  
Dead Sea & Arava  
Science Center



בחסות אוניברסיטת בן גוריון בנגב  
Under the auspices of Ben-Gurion University of the Negev

[www.adssc.org](http://www.adssc.org)

# Academic Geoscience Seminar in the Israeli Desert

## ~ Course Plan ~

### Ten-day traverse of the Negev Desert from the Red Sea, through the Arava Valley and the erosional craters of the Negev Highlands, to the Dead Sea Valley

The Dead Sea and Arava Science Center (DSASC), located in four different research centers throughout the Israeli desert, is an interdisciplinary research institute where local scientists conduct cutting-edge research encompassing a wide range of environmental fields.

For the first time, we are offering a seven to ten day academic seminar, guided by our expert researchers, for international B.Sc. and M.Sc. geoscience students.

The seminar includes an educational field trip, evening lectures, advanced interactive learning, seminar report and a unique social experience.



#### The curriculum objectives of the seminar:

- The unique **geo-chronological** sequence of the past 860 Ma in the region;
- The complete and exposed **rock cycle**;
- A **unique and diverse landscape** from the high desert mountains to the lowest place on Earth.

#### Main subjects and geosites to be studied:

- The crystalline basement of the Eilat Massif;
- The impressive Cambrian clastic sequence and the ancient copper mines of the Timna Valley;
- Landscape morphology - Makhtesh Ramon (erosional crater) as a case study;
- Recent tectonics and geohazards of the Dead Sea Transform.

#### Package includes:

10 days/9 nights half board accommodation at 3 star hotels, full guided tour, all lectures and seminars, transportation, site entrance fees.

Not included: lunches, private expenses, travel insurance, flights, local tips

The courses are scheduled to take place in the winter months between November and April and can accommodate between 15 to 30 students per course.

Estimated cost: €1300 per student

**Staff members:** Dr. Yaron Finzi - Geophysics and Tectonics; Dr. Avshalom Babad – Hydrology; Dr. Noa Avriel-Avni - Education and Botany; M.Sc. Shaked Avni; MA Ariel Meroz; M.Sc Noam Ganz; M.Sc. Lena Eyov; MA Yoni Shtern



For more information, please contact our course coordinator:

Avshalom Babad: [avshalom@adssc.org](mailto:avshalom@adssc.org), 972-533358311