Syllabus

SEDIMENTARY PETROGRAPHY AND PETROLOGY - 70315

Last update 06-03-2016

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: geology

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Dr Simon Emmanuel

Coordinator Email: swemmanuel@gmail.com

Coordinator Office Hours: By appointment

Teaching Staff:
Dr. Simon Emmanuel
Course/Module description:
The course covers the formation of the main types of sedimentary rocks. Fundamental principles of sedimentary rock formation are discussed in depth and their application to modern sedimentary research is explored.

Course/Module aims:
Students will be familiar with the main mechanisms influencing sedimentary rock formation and diagenesis.

Learning outcomes - On successful completion of this module, students should be able to:
Students will be able to understand and critically assess a modern research paper in sedimentary petrology.

Attendance requirements(%):
0

Teaching arrangement and method of instruction: Average of 3 hrs of lectures per week.

Course/Module Content:
The course is divided into 6 main sections:

1. Weathering and soils
2. Siliciclastic rocks
3. Diagenesis
4. Carbonate rocks
5. Cherts
6. Iron rich rocks

Required Reading:

Additional Reading Material:
Selected research articles
Course/Module evaluation:
End of year written/oral examination 70 %
Presentation 15 %
Participation in Tutorials 0 %
Project work 15 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information:
Prerequisite course: 70307 MINERALOGY AND PETROLOGY

5% bonus is given for completion of ALL problem sets assigned during the course.