Course Specifications

General Information

Course name	Field Geology
Course number	GEOL3315
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - Introduce the methods and goals of modern geological fieldwork

2 - Introduce the basics of geological mapping in the field

Intended Learning Outcomes

Knowledge and Understanding

* Ability to describe outcrops, contact relations, structures and lithologies in the field
* Mapping structural geology features: faults, folds, inclined bedding, metamorphic foliations
* Understand the geometric fundamentals of geological maps and their content
* Preparation of professional reports, drafted maps and other illustrations

Course Contents

1 - Instruments and equipment used in the field

2 - Field studies of different rocks and geological structures

3 - How to collect samples

4 - Methods of geological mapping

5 - Study and analysis of different rock samples

6 - Field measurements and techniques

7 - Stereographic projection

8 - Practical part: Drawing geological map for an area in Gaza and a detailed report about it showing stratigraphic and tectonic history of the area

Teaching and Learning Methods

1 - Field work

Students Assessment

Assessment Method	TIME	MARKS
Two Midterm exams	First month and second month of the semester	30
Field Trip	During the semester	10
Report	End of the semester	20
Final exam	End of the semester	40

Books and References

Recommended books	The Mapping of Geological Structures (1987), Ken McClay