Course Specifications

General Information

Course name	Geotectonic
Course number	GEOL2211
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	1
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - - Have the ability to apply knowledge of mathematics, science, and engineering to understand the measurement techniques and equipment used in land surveying

2 - - Have the ability to use techniques, skills, and modern tools necessary for practice

Intended Learning Outcomes

Knowledge and Understanding

* - Gain the ability to use modern survey equipment to measure angles and distances

* - Gain the ability to measure differences in elevation, draw and utilize contour plots, and calculate volumes for earthwork

Course Contents

1 - Principles of geological survey
2 - Instruments used in geological survey
3 - Training study for geological survey
4 - Measurement of distances, angles and orientation
5 - Thickness determination of the beds
6 - How to make a geological map
7 - Practical part: Training about the use of different instruments used in geological survey

Teaching and Learning Methods

1 - LCD
2 - Training
3 - Geological Survey Instruments

Students Assessment

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

Books and References

Course note	Introduction to Geological Survey: Lecture Notes
Recommended books	Elementary Surveying; Eighth edition (1989), Paul R. Wolf, Russell Brinker