

**KHAZAR UNIVERSITY**

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**SCHOOL OF ARCHITECTURE, ENGINEERING AND  
APPLIED SCIENCES.**

**SURVEYING**

**COURSE SYLLABUS**

# Surveying

## Identification

<i>Semester:</i>	Spring, 2010
<i>Department:</i>	Civil and Environment Engineering
<i>Subject:</i>	Surveying
<i>Credit-units:</i>	3
<i>Instructor:</i>	Agabalayeb Valeh Agabala oglu
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## Textbooks and Materials:

### Core Textbook:

1. RAYMOND E. DAVIS, FRANCIS S. FOOTE & JOE W. KELLY, Surveying Theory and Practice, Tokyo, 5<sup>th</sup> Edition (Copyright 1966)
2. AzMeCo (Azerbaijan Methanol Plant) Engineering Drawings.

## Objectives:

This course is a main subject of a Engineering Drawing. In this course will be covered a lot of topics of Drawing Methods.

### Specific Objectives of the Course

- To support students academically, to provide background understanding about engineering survey.
- To provide imagination on coordinating and improve their capability.

### Developed Skills:

- Surveying
- Studying with team
- Presentation
- Systematic & regular working

### Evaluation:

- Participation & activity-----10
- Quizzes-----20
- Mid-term Examination-----30
- Final Examination-----40

### Learning and

### Teaching Methods:

This course considers active learning process; lectures, discussions and presentations.

### Course Schedule

Week	Topics	Hours	Reading
1	Concepts	4	[1] Ch.1.
2	Features of Surveying Instruments 1 <sup>st</sup> Lesson	4	[1] Ch.2.
3	Features of Surveying Instruments 2 <sup>nd</sup> Lesson	4	[1] Ch.3.
4	Data Analyzing & Computing	4	[1] Ch.4.
5	Map Drafting & Site Visit (AzMeCo-Qaradagh) 1 <sup>st</sup> Time	4	[1] Ch.5.
6	Profile Leveling; Cross Sections; Grades	4	[1] Ch.6.
7	Triangulation and The Plan Table	4	[1] Ch.7.
8	MID-TERM EXAM		
9	Map Plotting	4	[1] Ch.8.
10	Calculation of Areas of Land	4	[1] Ch.9.
11	Azimuth and Geographical Coordination systems	4	[1] Ch.10.
12	Topographic Maps and Topographic Surveying	4	[1] Ch.11.

13	Route Curves	4	[1] Ch.12.
14	Construction Surveying	4	[2] Ch.13.
15	Global Positioning System	4	[2] Ch.14.
16	Site Visit (AzMeCo-Qaradagh) 2 <sup>nd</sup> Time	4	[2] Ch.15.
	FINAL EXAMINATION		