



Меѓународен Универзитет Визион - International Vision
 UniversityUniversitetiNdërkombëtarVizion - UluslararasıVizyonÜniversitesi

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SYLLABUS

COURSE NAME	COURSECODE	SEMESTER	COURSE LOAD	ECTS
TOPOGRAPHY	CIV-3001	5	180	6

Prerequisite(s)	None
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Course Language	Macedonian, Turkish, English
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra Curricular Office Hours and Location	Meeting: Consultancy:

Course Objectives	This course aims to give mathematical definitions for basic measurement methods and calculations.
Course Learning Outcomes	<ol style="list-style-type: none"> 1- Learning the concept of measurement, methods, and measurement errors 2- Learning the concept of length and angle. 3- Learning the basic geodetic assignments. It makes coordinate calculations based on this information. 4- Learning height determination methods. Makes altitude calculations. Makes height-dependent volume calculations. 5- Learning the concept of the cross-section. 6- Learning area calculation methods and making area calculations.
Course Contents	Measurement units; the concept of scale; measurement errors; measuring instruments; horizontal and vertical angle measurement; geodetic basic assignments; coordinate calculations; leveling; geometric and trigonometric leveling; area and volume calculations.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to topography course and map information.	Related Chapters of Course Sources
2	Measurement units, error concept, error types.	Related Chapters of Course Sources
3	Geodetic Network Concept, Measuring tools and systems.	Related Chapters of Course Sources
4	Length measurements.	Related Chapters of Course Sources
5	Horizontal Direction and Vertical Angle Measurements.	Related Chapters of Course Sources
6	Geodetic Fundamentals	Related Chapters of Course Sources
7	Coordinate calculations	Related Chapters of Course Sources
8	Coordinate calculations	Related Chapters of Course Sources
9	Midterm exam 1	
10	Height Measurements	Related Chapters of Course Sources
11	Height measurements, levels, leveling methods	Related Chapters of Course Sources
12	Height measurements, Geometric and trigonometric leveling methods	Related Chapters of Course Sources
13	Height measurements, section leveling, height-dependent volume calculations	Related Chapters of Course Sources
14	Field calculations	Related Chapters of Course Sources
15	GNSS Global Positioning Systems	Related Chapters of Course Sources
16	Midterm exam 2	

ECTS / WORKLOAD TABLE

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
Total Work Load			
ECTS		6	

GENERAL PRINCIPLE RELATED TO COURSE

Dear students,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades.

SOURCES

COMPULSORY LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1	Ölçme Bilgisi,	Celal SONGU, Muzaffer ŞERBETÇİ, Engin GÜLAL
2	Ölçme Bilgisi	İbrahim KOÇ

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	17	%100

ETHICAL CODE OF THE UNIVERSITY

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.