



Меѓународен Универзитет Визион - International Vision University
Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

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DERS İZLENESİ (SYLLABUS)

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
MATHEMATICS	3001	1	240	8

Prerequisite(s)	None
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Course Language	Turkish
Course Type	Elective
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra Curricular Office Hours and Location	

Course Objectives	Mathematical induction, determinants and matrices, solving systems of linear equations with Cramer and Gauss methods, the equation of line and the plane in the space, sequences and derivatives
Course Learning Outcomes	<ul style="list-style-type: none">To learn the concepts of mathematical inductionTo analyze the system of linear equationsTo define the vector and matrixLearning Function
Course Contents	The solution of mathematical induction, as well as two equations and three unknowns, operations with matrix and vector, Examination of the plane and function

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Mathematical Induction	Related Chapters of Course Sources
2	Solution of the linear system of equations with two variables , third-degree determinants	Related Chapters of Course Sources
3	Solution of the linear system of equations with three variables. Gauss method	Related Chapters of Course Sources
4	Matrix. Transpose of matrix. Inverse Matrix	Related Chapters of Course Sources
5	Operations with vector given by coordinates	Related Chapters of Course Sources
6	Scalar and vector product of vectors	Related Chapters of Course Sources
7	Mixed product of vectors	Related Chapters of Course Sources
8	Midterm exam	Related Chapters of Course Sources
9	Equation of plane in space	Related Chapters of Course Sources
10	Equation of line in space	Related Chapters of Course Sources
11	Conditions between shapes in the space	Related Chapters of Course Sources
12	Operations with the sequences and limits	Related Chapters of Course Sources
13	Functions	Related Chapters of Course Sources
14	Derivatives. Geometric interpretation of the derivative	Related Chapters of Course Sources
15	Final Exam	Related Chapters of Course Sources

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 WITH COURSE

Dear students,

You need to be included in the flow, please follow the course of learning and using that to achieve our success you deserve, you need to practice every day on topics that are covered by the course. It takes practice reading basic and auxiliary literature that is strictly recommended. You should visit classes course I need to make an effort to visit all the professors' lectures. Your activity on the session will be assessed by your professors and the Battle active participant in the discussions that will take place during the time. Students visiting lectures for all at the end if an additional 15 points.

SOURCES

COMPULSORY LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Mimarlık matematiği ders notları	Aybeyan Selim, Uluslararası Vizyon Üniversitesi, 2015 Gostivar
2		
3		

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	Matematik Analiz 1	Prof. Dr Mustafa Balcı, Sürat Üniversite Yayınları, 8. Baskı
2	Çözümlü Matematik Analiz Problemleri 1	Prof. Dr Mustafa Balcı, Sürat Üniversite Yayınları, 8. Baskı
3	Analiz I	Prof. Dr Ali Nesin, Nesin Yayıncılık A.Ş, 2012

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	14	%15
Project / Event	1	%15
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	14	%100

ETHICAL CODE OF THE UNIVERSITY

In case students are cheating on exams or preparation the same, it is not making reference to the source to be used in studies, as for example in assignments, projects and presentation (plagiarism), in accordance with legislations by Ministry of Education and Science of the Republic of Macedonia and International Vision University, apply relevant disciplinary rules. International Vision University students are expected never attempts in this kind of behavior.