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

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DERS İZLENCESİ (SYLLABUS)

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
GEOMETRIC TRANSFORMATIONS	**4023**	**4**	**180**	**6**

Prerequisite(s)	None

Course Language	Turkish
Course Type	Elective
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra-Curricular Office Hours and Location	

Course Objectives	To give fundamental information's about the various geometries along to undergraduate and master period student needs, especially to gain information that will help to make distinguishing between these geometries. To teach about solution ways of problems encountered in this area.
Course Learning Outcomes	Describe the basic concepts of Kinematics. Can compare Affine space structure and Euclidean space structure. Prove and comments about isometries of Euclidean space. Identifies and classifies movements Solve the problems with transformation associated groups Classify Isometries.
Course Contents	Affine space, affine subspace, Euclidean space, Euclidean subspace, Isometries, Features of Motion, Movements and congruence, shift, Rotations and Reflections.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Affine Spaces, Affine Coordinate Systems	Related Chapters of Course Sources
2	Affine Transformations, Affine Group	Related Chapters of Course Sources
3	Affine Subspaces	Related Chapters of Course Sources
4	Euclidean space, Euclidean coordinator system	Related Chapters of Course Sources
5	Euclidean subspaces, Isometries	Related Chapters of Course Sources
6	General Introduction to Transformation	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Euclidean space motion	Related Chapters of Course Sources
9	Plane Movement Types, shifts	Related Chapters of Course Sources
10	Rotation	Related Chapters of Course Sources
11	Shifts and Rotation Composition	Related Chapters of Course Sources
12	Reflections	Related Chapters of Course Sources
13	Shifting Reflections	Related Chapters of Course Sources
14	Circles Geometry	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	Dönüşümler ve Geometriler,	Hacısalihoğlu, H.H. Ankara Üniversitesi Fen Fakültesi, Matematik Bölümü,1998.
2		
3	Geometric Transformations	Michael E Mortenson, 1st Edition

ADDITIONAL LITERATURE		
No	**Name of the book**	**Author's Name, Publishing house, Publication Year**
1		
2		
3		

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 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 İnternational Vision University, apply relevant disciplinary rules. İnternational Vision University students are expected never attempts in this kind of behavior.