

# COMPUTER AIDED ANALYSIS

1	Course Title:	COMPUTER AIDED ANALYSIS
2	Course Code:	MKNS221
3	Type of Course:	Optional
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	Needs 2D and 3D knowledge.
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. Dr. TOLGA MERAL
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
16	Contact information of the Course Coordinator:	Öğr. Gör. Tolga MERAL tolgameral@uludag.edu.tr
17	Website:	
18	Objective of the Course:	Making engineering analysis using computer Aided analysis software.
19	Contribution of the Course to Professional Development:	Understanding the concept of finite element method.
20	Learning Outcomes:	
	1	Modelling physical case in Engineering.
	2	Structural analysis
	3	Dynamic analysis
	4	Thermal analysis
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21	Course Content:	
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Week	Theoretical	Practice
1	Introduction to modeling	
2	Numerical analysis techniques	
3	Finite element method	



ÖK3	4	0	3	4	0	0	3	0	0	0	0	0	0	0	0	0
ÖK4	4	0	3	4	0	0	3	0	0	0	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							