COMPUTER AIDED ANALYSIS										
1	Course Title:	COMPU	TER AIDED ANALYSIS							
2	Course Code:	MKNS22	1							
3	Type of Course:	Optional								
4	Level of Course:	Short Cy	cle							
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 2	D and 3D knowledge.							
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Prof. Dr. Yahya Işık								
15	Course Lecturers:	DOÇ.DR. ABDİL KUŞ								
16	Contact information of the Course Coordinator:	abdilkus@uludag.edu.tr, Uludağ Üniversitesi, Teknik Bilimler MYO, Görükle-BURSA Tel: 2942344								
17	Website:									
18	Objective of the Course:	Making engineering analysis using computer Aided analysis software.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Modelling phsical case in Engineering.							
		2	Structural analysis							
		3	Dnynamic analysis							
		4	Thermal analysis							
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
	Course Content:									
Week	Theoretical		Practice							
1	Introduction to modeling									
2	Numerical analysis techniques									
3	Finite element method									
4	Analysis procedure (one, two and thr dimensional modeling)	ee-								

5	Ana con	alysis stant:	proce s and	dure ( materi	eleme al pro	ent type operties	es, rea s)	al										
6	Ana	alysis procedure (creation of the model)																
7	Mid	Jterm Exam																
8	Ana eler	alysis procedure (creation of the finite ment network)																
9	Ana	alysis procedure (Analysis)																
10	Ana	alysis procedure (Reviews)																
11	ANS app	ISYS structural analysis software plications with																
12	ANS app	SYS structural analysis software plications with																
13	ANS app	SYS structural analysis software blications with																
14	ANS app	NSYS structural analysis software oplications with																
22	Textbooks, References and/or Other Materials: Doc. Dr. Durmus Güngy kullanım klavurru									letodur	un Teme	elleri"						
Activites						1	Number			Dura	Duration (hour)			Total Work Load (hour)				
Theore	tical						R	2	13				1.00	1.00			13.00	
Practicals/Labs						1	13			1.00	1.00			13.00				
Self stu	idy a	and p	repera	ation			0		σιο			20.00	20.00			20.00		
Homeworks						0			0.00	0.00			0.00					
Projects <sup>am</sup> 1							50 <sub>2</sub> 00			20.00	20.00			40.00				
Field Studies						0				0.00	0.00			0.00				
Contribution of Term (Year) Learning Activities to						50100				0.00	0.00			0.00				
Others						0				0.00	0.00			0.00				
Final Exams						1			0.00	0.00			0.00					
Total Work Load														86.00				
作例為非WerRefored angotryaluation Techniques Used in the						Ц							2.87					
ECTS Credit of the Course														3.00				
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7 P	Q8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
LO: Learning Objectives PQ: Program Qualifications																		
Contr utior Leve	rib n el:	b 1 very low 2 low 3		3 M	edi	ium		4 High		5 Very High								