

COMPUTER AIDED TECHNICAL DRAWING

1	Course Title:	COMPUTER AIDED TECHNICAL DRAWING
2	Course Code:	MAK1004
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. Yahya Işık
15	Course Lecturers:	Prof. Dr. Abdil KUŞ
16	Contact information of the Course Coordinator:	etemoglu@uludag.edu.tr yahya@uludag.edu.tr/tel:02242941919 abdilkus@uludag.edu.tr Makine Müh. Böl. Görükle kampüsü/ Bursa
17	Website:	
18	Objective of the Course:	Working drawings, assembly drawings. Draftings using a CAD program. Examples and applications.
19	Contribution of the Course to Professional Development:	To gain the ability to design and draw models and projects related to the profession, To be able to use the CAD software used in the profession effectively. Understanding the standards used in the profession
20	Learning Outcomes:	
	1	has a brief description about assembly draftings.
	2	draw technical draftings of machine elements.
	3	draw assembly drawings.
	4	draw machine elements and their assemblies using a CAD program.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	General knowledge about course - Gears - Keys	
2	Bearings - Assembly drawings	Practice

3	Bedded mechanisms - Drawing of bedded mechanisms- Drawing of axle-tambourine mech.	Practice
4	Screwed Mechanisms	Practice
5	Tolerances	Practice
6	Tolerances	Practice
7	Surface Finishing	Practice
8	Introduction to Autocad	Practice
9	Repeating courses and midterm exam	
10	Menus and basic CAD commands	Practice
11	Line, circle and arc commands	Practice
12	Chamfer commands	Practice
13	Copy, delete, mirror commands	Practice
14	Cross section and dimension commands	Practice

22	Textbooks, References and/or Other Materials:	1-Teknik Resim II- Öğr.Gör. Nagihan Etemoğlu, Öğr.Gör. Hatice Yeşilkütük, Öğr. Gör. Ahmet BİR 2-Teknik Resim II- Prof.Dr.Nejat Kıraç 3-Teknik Resim II- Kemal Türkdemir- Kudret Kandemir Aksun Akbıyık 4-Makine Meslek Resmi II İ.Zeki Şen-Nail Özçilingir
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23	Assesment				
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical Quiz	0	0	14	2.00	28.00
Practicals/Labs			14	2.00	28.00
Self study and preperation	1	60	0	0.00	0.00
Homeworks			15	4.00	60.00
Projects		0	0	0.00	0.00
Contribution of Term (Year) Learning Activities to			40	0.00	0.00
Field Studies			0	0.00	0.00
Contribution to Final Exam to Success Grade			60	2.00	2.00
Others			0	0.00	0.00
Final Exams			1	2.00	2.00
Measurement and Evaluation Techniques Used in the			Course success criteria: practical assignments related to		
Total Work Load					120.00
Total work load/ 30 hr			theory and practice.		
24. ECTS /WORK LOAD TABLE					4.00
ECTS Credit of the Course					4.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0
ÖK2	2	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0
ÖK3	2	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0
ÖK4	2	0	3	3	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
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