CNC TURNING MACHINE TECHNOLOGY

1	Course Title:	CNC TURNING MACHINE TECHNOLOGY
2	Course Code:	MKNS211
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:	NONE
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ABDİL KUŞ
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.
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:	The aim of the program is to gain proficiency on writing and production of the parts and usage of the CNC machines
19	Contribution of the Course to Professional Development:	Developing students' competencies in CNC Technologies
20	Learning Outcomes:	
	1	Prepare the CNC machine , and learn the parts
	2	Writing programas for the CNC turning machines
	3	Production parts in CNC turning machines,
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21	Course Content:

Course Content:	
Week	**Theoretical**	**Practice**
1	CNC lathe features and parts	
2	Types of control panels, buttons and features	
3	Cutter types, properties and possible uses.	
4	Resetting properties of the elements used.	
5	Tool rough cutting	
6	CNC lathe programming principles	
7	Repeating courses and midterm exam	

8	CNC lathes coordinate system.	
9	Using a CNC lathe programming cycles.	
10	Using a CNC lathe programming cycles.	
11	Sub-programming technique and structure.	
12	CNC looms in the alarm and error codes.	
13	Measurement and control	
14	Measurement and control	

22	Textbooks, References and/or Other Materials:	1-CNC turning operation manual book, 2-CNC turning usage manual book, 3-Gülesin, M., Güllü, A., Avcı, Ö., Akdoğan, G., "CNC Torna ve Freze Tezgahlarının Programlanması", Asil Yayın Dağıtım, Ankara, 2008. 4-Course notes
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	20.00
Quiz	0	0.00
Home work-project	1	20.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to		40.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	13	4.00	52.00
Homeworks	1	8.00	8.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	1.00	1.00
Others	0	0.00	0.00
Final Exams	1	1.00	1.00
Total Work Load			91.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

24 ECTS / WORK LOAD TABLE

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	0	0	4	0	0	2	0	0	3	0	2	0	0	0	0	0
ÖK2	3	0	0	0	5	0	0	4	0	4	0	0	0	0	0	0
ÖK3	0	2	0	1	0	0	1	0	0	1	0	3	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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