PLASTIC BLOW MOLDING AND EXTRUSION

1	Course Title:	PLASTIC BLOW MOLDING AND EXTRUSION
2	Course Code:	EKLS219
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:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. EROL KILIK
15	Course Lecturers:	-
16	Contact information of the Course Coordinator:	erolk@uludag.edu.tr
17	Website:	
18	Objective of the Course:	This course focuses on the design of molds plastic extrusion blow molding, and according to the technique, aimed to gain the knowledge and skills.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Recognition of learning the elements of blow molding
	2	Clutch blow-molding technique
	3	Blow molds design
	4	Blow mold manufacturing process and applications to learn
	5	Plastic extrusion die recognition learning elements
	6	Understanding Plastic extrusion molding technique
	7	Design of plastic extrusion dies
	8	Applications at the learning process and manufacturing plastic extrusion dies
	9	
	10	
21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Issues must be considered in the design of blow molds and blow molding	
2	Mold and product materials Dimensioning of formwork materials	
3	Heat treatment and mold the information elements	

4	The standard mold components and mold making applications, and formal investigations	
5	Blow mold making components must be considered for drawing pictures	
6	Mold on the connection and centering elements. Mould polishing and mold assembly information	
7	Example blow molds review	
8	Repeating courses and midterm exam	
9	Issues must be considered in the design of extrusion dies and extrusion molding	
10	Mold and product materials Dimensioning of formwork materials	
11	Heat treatment and mold the information elements	
12	The standard mold components and mold making applications, and formal investigations	
13	Extrusion tooling elements must be considered for drawing production pictures	
14	Centering on the connection and mold components, mold polishing, assembling information and sample molds mold inspection	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	13	2.00	26.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	20	1.00	20.00
Homeworks	1	15.00	15.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			96.00
Total work load/ 30 hr			3.20
ECTS Credit of the Course			3.00

TERM LEARNING ACTIVITIES	**NUMBE**	**WEIGHT**
Midterm Exam	1	25.00
Home work-project	1	25.00
Total	3	100.00
Total		100.00

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