INDUSTRIAL ENGINEERING PROJECT

1	Course Title:	INDUSTRIAL ENGINEERING PROJECT	
2	Course Code:	END4091	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	0.00	
9	Practice (hour/week):	3.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	To be registered simultaneously with END4093.	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. ERDAL EMEL	
15	Course Lecturers:	PROF.DR.ERDAL EMEL PROF.DR.SEDA ÖZMUTLU PROF.DR.NURSEL ÖZTÜRK PROF.DR.TÜLİN GÜNDÜZ PROF.DR.ALİ YURDUN ORBAK DR.ÖĞR.ÜYESİ BESİM TÜRKER ÖZALP DR.ÖĞR.ÜYESİ MEHMET AKANSEL PROF.DR. BETÜL YAĞMAHAN PROF.DR.FATİH ÇAVDUR DOÇ.DR.ASLI AKSOY PROF.DR. TÜLİN İNKAYA DOÇ.DR.İLKER KÜÇÜKOĞLU DOÇ.DR.BURCU Ç.GENÇOSMAN DOÇ.DR. DUYGU YILMAZEROĞLU DR. ÖĞR. ÜYESİ SEVAL ENE DR.ÖĞR.ÜYESİ EMİNE EŞ YÜREK	
16	Contact information of the Course Coordinator:	erdal@uludag.edu.tr Tel: 0224 294 2080 Endüstri Mühendisliği Bölümü, Mühendislik Fakültesi Uludağ Üniversitesi, Görükle, Bursa	
17	Website:		
18	Objective of the Course:	A project study is a study that is carried out by using the information taken in the lessons in the curriculum systematically and enables the student to reach the desired professional level and, if successful, document this level.	
19	Contribution of the Course to Professional Development:	The project work consists of topics that are selected simultaneously with Integrated System Design and their content is sub-fractions and studied individually by students. The project work is carried out by being applied in the subjects determined by the organizations and working at the establishment facilities for at least 14 working days within the framework of the PROJECT INTERNSHIP.	
20	Learning Outcomes:		
		1	To be able to define complex engineering problems, to model them as a system, to solve them, to collect data for solutions, to analyze and interpret the results
		2	TTo be able to research domestic and foreign scientific sources on the subject to find academic solutions to real problems within the framework of Industrial Engineering

	3	To have knowledge about the functioning of an organization and its job descriptions
	4	Ability to work individually or in groups in multidisciplinary teams, to communicate professionally and technically
	5	Ability to write effective reports and understand written reports, to give and receive clear and understandable instructions
	6	Knowledge of business practices such as project management, risk management and change management
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	10	

21	Course Content:

Course Content:

Week	Theoretical	Practice
1		Project topics to be announced
2		Group identification and selection of project topics
3		Explanation of the group and project assignments
4		
5		Investigation of the real-life problem
6		Creation of the sub-topics of the selected projects
7		Preparation of the first phase of the Progress Report and its oral presentation
8		Literature review
9		Literature review
10		Literature review
11		Literature review
12		Literature review
13		Literature review
14		Literature review
15		Literature review
16		Literature review

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	0	0.00	0.00
Practicals/Labs	14	3.00	42.00
Self study and preperation	13	2.00	26.00
Homeworks	0	0.00	0.00
Projects	1	9.00	9.00
Field Studies	6	2.00	12.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	1.00	1.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

22	Materials:

Basic text books of Industrial Engineering
Databases and information technologies of the company in problem

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	1	50.00
Final Exam	1	50.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00
Contribution of Final Exam to Success Grade		50.00
Total		100.00

Measurement and Evaluation Techniques Used in the Course	An individual project based on the sub-breakdowns of the Integrated System Design project, which is worked as a group in an industrial environment.

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	4	4	5	5	5	5	5	5	4	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	4	0	0	0	0	0	5	0	0	4
ÖK3	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	5	5	5	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	3	0	5	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**				**4 High**			**5 Very High**			