

## EXPERIMENTAL DESIGN

1	Course Title:	EXPERIMENTAL DESIGN
2	Course Code:	END5153
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	7.50
8	Theoretical (hour/week):	3.00
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. SEDA ÖZMUTLU
15	Course Lecturers:	Yrd. Doç.Dr. Ali Yurdun Orbak
16	Contact information of the Course Coordinator:	seda@uludag.edu.tr 224-294-2085 Endüstri Mühendisliği Bölümü Görükle Bursa
17	Website:	
18	Objective of the Course:	To convey the experimental design techniques to graduate students for them to design experiments to reach correct conclusions and make correct deductions in their scientific or applied studies.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Ability to identify and solve real-life problems that contain uncertainty
	2	Performing analytical studies for the quality improvement concept
	3	Ability to design experiments
	4	Ability to analyze collected data from designed or undesigned experiments
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21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Introduction to Experimental Design	
2	Statistical Analysis Methods Review	
3	Introduction to Regression	
4	Advanced Regression Analysis	



<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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