

REVERSE ENGINEERING

1	Course Title:	REVERSE ENGINEERING	
2	Course Code:	OTO4039	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
7	ECTS Credits Allocated:	4.00	
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. ABDİL KUŞ	
15	Course Lecturers:	Fakülte Yönetim Kurullarının görevlendirdiği öğretim elemanları.	
16	Contact information of the Course Coordinator:	Prof. Dr. Abdil KUŞ Bursa Uludağ Üniversitesi, Otomotiv Müh. Tel: 2942344 abdilkus@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	Informing students about the use of Reverse Engineering systems and tools in the automotive field	
19	Contribution of the Course to Professional Development:	To gain significant experience and knowledge in this field by analyzing the use of Reverse Engineering systems in product design and development and their contributions with projects.	
20	Learning Outcomes:		
		1	Learning the concept and tools of Reverse Engineering
		2	Learning Reverse Engineering tools in the product design process cycle
		3	Learning modeling processes through scanning and point cloud
		4	Learning additive manufacturing and production methods
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21	Course Content:		
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Week	Theoretical	Practice	
1	3D optical and Laser scanning systems		
2	Point cloud and polygon structure and its parameters		
3	Adjustments on 3D point cloud and Polygon Modeling techniques		

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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