

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Safe Driving T	echniques							
Course Code		OTT183		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit 2		Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0	
Objectives of the Course		ABS, ESP, etc., which reduce the errors and control losses made while driving. the introduction of the use of vehicles equipped with safety equipment and the practice of driving simulations that are closest to the truth and the training of advanced driving techniques to enable students to fully utilize the capabilities of safety equipment and to detect dangerous situations in advance, These safety systems are practiced with frontal shift and rearward braking, braking, avoiding obstacles, fast pass through narrow area, optical error maneuvers and slalom stations.								
Course Content		Gaining advanced driving techniques with driver simulation program								
Work Placement		N/A								
Planned Learning Activities and Teaching Methods			Explanation	n (Presentat	tion), Demonst	tration, Individ	ual Study			
Name of Lecturer(s)										

Assessment Methods and Criteria

Method	Quantity Percentage		
Midterm Examination	1	40	
Final Examination	1	60	

Recommended or Required Reading

1 Megep Lecture Notes

Week	Weekly Detailed Cou	etailed Course Contents					
1	Theoretical	Vehicle recognition functions					
2	Theoretical	Additional safety equipment in the vehicle (ABS, ESP, EDL, EBD, etc.)					
3	Theoretical	And acceleration on slippery surfaces					
4	Theoretical	Braking on dry and slippery surfaces					
5	Theoretical	Barriers to escape and braking					
6	Theoretical	Braking point Track distance and panic brake					
7	Theoretical	Slippery floors braking in a bend turning point in the curve, the front and rear skid slip					
8	Theoretical	Ideally return line, Geometric line, Racing line - (Midterm)					
9	Theoretical	Apex point					
10	Theoretical	The starting point					
11	Theoretical	The return effect of weight transfer					
12	Theoretical	Acceleration section					
13	Theoretical	balanced gas					
14	Theoretical	slalom					

Workload Calculation

Activity	Quantity	Preparation		Duration		Total Workload	
Lecture - Theory	14		0	2		28	
Studio Work	5		0	2		10	
Midterm Examination	1		5	1		6	
Final Examination	1		5	1		6	
	Hours)	50					
[Total Workload (Hours) / 25*] = ECTS						2	
*25 hour workload is accepted as 1 ECTS							

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Learning Outcomes

- 1 Students gain advanced driving skills.
 - Students will have advanced driving skills with the nearest realistic driver simulation simulator.



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3	Student will be able to comprehend additional safety equipment (abs, esp, edl, ebd, etc.) in vehicles.					
4	Student understands the effects of weight transfer on the return.					
5	The student understands the ideal turning line.					
6	Students understand the braking on dry and slippery surfaces.					

Progra	amme Outcomes (Machinery)
1	To be able to know general properties and usage areas of industrial materials and make selection.
2	Design of machine elements.
3	To be able to make production using machining and welding machines without machining.
4	To be able to make measurement and quality control processes with machine tools for measuring and control equipment.
5	To be able to make necessary corrections in order to determine the mistakes by using the necessary non-destructive test methods in welded parts and to eliminate these mistakes.
6	Preventive measures to prevent the occurrence of these faults by preliminarily determining the faults that will occur in the machines as statistical data and to make necessary interventions in case of breakdown.
7	They can make drawings of work pieces on CAD station and apply them on CNC looms. Ability to operate and use CAD / CAM and AUTOCAD package programs.
8	To be able to transfer engineering science and technology to practice by making calculations in the direction of scientific principles.
9	It can repair the elements in pneumatic and hydraulic systems which are indispensable elements of automatic control systems and can regulate their work.
10	The student who is trained as a machine technician during the whole program knows that industrial task definition in the field of work is error finding, problem solving, decision making, planning of functions and activities and they can be achieved by aiming to acquire these characteristics.

Contribution of Learning Outcomes to Programme Outcomes 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

	L1	L2	L3	L4	L5	L6
P10	1	1	1	1	1	1

