AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Measuring Technique								
Course Code	İSP106			Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Dimensions can be calculated by measuring fluid, fluid, temperature, slope, section and diameter, speed and speed, light level, sound level, pressure, stress and moment.								
Course Content	To know the measuring instruments and to make the measurements and the necessary calculations in accordance with the measuring techniques.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Project Based Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Ergonomi,Osman F. Genceli

Week	Weekly Detailed Course Contents	
1	Theoretical	Length Measurement, Weight Measurement, Area Measurement and Volume Measurement
2	Theoretical	Fluid Measurement, Temperature Measurement and Tilt Measurement
3	Theoretical	Section and Diameter Measurement, Speed and Speed Measurement
4	Theoretical	Light Measurement, Sound Measurement, Pressure and Voltage Measurement
5	Theoretical	Moment Measurement, Measuring and Measuring Instruments
6	Theoretical	Measuring and Measuring Instruments, Measuring Errors
7	Theoretical	Measurement Errors, Units and Conversions
8	Theoretical	Indirect measurement techniques, Calibration.
9	Theoretical	Units and Transformations, Resistance Measurement
10	Theoretical	Rlc Measurement, Current Measurement
11	Theoretical	Voltage Measurement, Frequency Measurement
12	Theoretical	Oscilloscope measurement
13	Theoretical	Air pollution measurements
14	Theoretical	Power and Energy Measurement

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Term Project	3	0	2	6
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Do Dimension Measurements
2	Measure comfort conditions
3	To make voltage and torque measurements

4	Measurement errors, Calibration calculations to make
5	Explain measurement techniques for safe working environment

Programme Outcomes *(Occupational Safety and Health)*	
1	.
2	.
3	.
4	.
5	.
6	.
7	.
8	.
9	.
10	.

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

	L1	L2	L3	L4
P1	5	5	5	5
P2	5	5	5	5
P3	5	5	5	5
P4	5	5	5	5