



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Ergonomics							
Course Code		İSP102		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		By providing a good fit between the worker and the worker, preventing the wearer from overworking while working, on the other hand, enhancing work performance through this harmony. Ergonomics aims to place the human being in a job where he can best use his talents in order to achieve the desired harmony between the worker and the worker.							
Course Content		Relationship between Ergonomics and Work Safety, Human Factors and Work Efficiency, Human Body, Physical Conditions in Work Environment, Control and Control Mechanisms, Loading and Enforcing, Working and Listening Times, Work Voltage Fatigue and Depletion, Working Energy and Energy Requirements of Works , Relationship between Ergonomics and Work Study, Relationship between Ergonomics and Quality Control, Ergonomic Design of Workplaces, Ergonomic Review in Workplaces.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Project Based Study, Individual Study					
Name of Lecturer(s)		Lec. Esra AKSOY							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	ergonomics, Alaettin Sabancı , Sarp Korkut Sümer
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Week	Weekly Detailed Course Contents	
1	Theoretical	The key to defining ergonomics is Human Factors and Business Productivity
2	Theoretical	Human Body, Physical Conditions in the Work Environment
3	Theoretical	Human Body, Physical Conditions in the Work Environment
4	Theoretical	Control and Control Systems
5	Theoretical	Loading and Forcing, Working and Listening Times
6	Theoretical	Work Voltage Fatigue and Depletion
7	Theoretical	Energy Requirements for Work and Energy
8	Theoretical	Working and Listening Times
9	Theoretical	Ergonomics and Job Security Relation
10	Intermediate Exam	Visa
11	Theoretical	Ergonomics and Business Study Relationship
12	Theoretical	Relationship between Ergonomics and Quality Control
13	Theoretical	Ergonomic Design of Workplaces
14	Theoretical	Ergonomic review in the workplace
15	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	2	2	0	4
Individual Work	4	2	3	20
Midterm Examination	1	3	2	5



Final Examination	1	3	1	4
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Having sufficient infrastructure, information on self-issues; The ability to use effectively to solve problems that meet this information,
2	The ability to analyze the system of the workplaces where they are in, to make changes when necessary, to design a new system with modern methods
3	Ability to identify and solve problems by solving methods by dialogue with colleagues; In doing so, it can also solve the problems it has encountered by synthesizing the information with modern methods
4	Define the basic concepts of ergonomics
5	Explain the sources of fatigue in the workplace, muscle fatigue and rest techniques

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
P1	5	5	5
P2	5	5	5
P3	5	5	5
P4	5	5	5
P5	5	5	5

