



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Ergonomics							
Course Code		BSM334		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The primary objective of this course is to provide the gaining of knowledge and skills to combine human source and technology effectively and to convey knowledge that is applicable to both work and private life							
Course Content		- What is the ergonomics? - Ergonomics design factors , Human charecteristics(physical, physiological, psychological) , Work Enviromental Conditions ( Temperature, humidity,noise, vibration, gas, dust, lightening,indoor colour) , Machine , Time , Interaction - Anthropometry							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Prof. Ahmet KILIÇKAN							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	• Sabancı,A. 1999. Ergonomi.Çukurova Üniversitesi Ziraat Fakültesi Tarım Makinaları Bölümü, ISBN: 975-7024-11-2, Adana, 592 s.
2	Ergonomi ve Toplam Kalite Yönetimi, Milli Produktivite Merkezi- İstanbul Teknik Üniversitesi, Milli Produktivite Merkezi Yayınları No:570, İstanbul,820 s

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction
2	Theoretical	Ergonomics
3	Theoretical	Physiological, psychological, and physical factors
4	Theoretical	Enviromental Factors -Vibration
5	Theoretical	Enviromental Factors - Noise
6	Theoretical	Enviromental Factors - Lightening- indoor colour
7	Intermediate Exam	midterm exam
8	Theoretical	Enviromental Factors - Dust -Gases
9	Theoretical	Enviromental Factors - Climate
10	Theoretical	System, machine
11	Theoretical	Anthropometrics
12	Theoretical	Work accidents
13	Theoretical	Precautions
14	Theoretical	final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	3	3	84
Midterm Examination	1	0	8	8
Final Examination	1	0	8	8
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Evaluation of conditions to provide combination of enviroment, human and machine
2	To have knowledge about ergonomics, ergonomic design factors and anthropometry.



3	Calculations related to evaluation of enviromental conditions
4	Enviromental Factors - Climate
5	Anthropometrics

