

TITLES	EXPLANATIONS
<b>Title of Course</b>	Ergonomics
<b>Code of Course</b>	PSY 464
<b>Type of Course</b>	Elective
<b>Level of Course</b>	Undergraduate
<b>Year of Study</b>	4
<b>Semester/Trimester</b>	7 or 8
<b>Number of ECTS</b>	4
<b>Name of Lecturer(s)</b>	STAFF
<b>Course Learning Outcomes</b>	<p>At the end of this course students are expected to;</p> <p>LO1. Know the importance of ergonomic applications for human health.</p> <p>LO2. Know how to use ergonomics to increase productivity and performance.</p> <p>LO3. Describe ergonomic approaches to work design.</p> <p>LO4. Explain psychological approaches to accident reduction.</p> <p>LO5. Identify physical stressors in the workplace.</p> <p>LO6. Understand how alternative work schedules influence worker attitudes and behavior.</p> <p>LO7. Describe the impact of alcoholism and drug abuse in the work place.</p>
<b>Mode of Delivery</b>	The style of teaching is face-to-face interaction.
<b>Prerequisites and Co-requisites</b>	There is no prerequisite or co-requisite for this course.
<b>Recommended Optional Programme Component</b>	None
<b>Course Contents</b>	<ol style="list-style-type: none"> <li>1. Getting Acquainted and Introduction to Ergonomics</li> <li>2. General Principles of Ergonomics</li> <li>3. Ergonomic Approach to Work Conditions: Anthropometric Approach</li> <li>4. Ergonomic Approach to Work Conditions: Biomechanical Approach</li> <li>5. Ergonomic Approach to Work Conditions: Physiological Approach</li> <li>6. Human Computer Interactions in the Workplace</li> <li>7. Principles of Primary Health Care and Ergonomics</li> <li>8. Safety and Accidents: Introduction</li> <li>9. Safety and Accidents: Approaches to Reducing Accidents</li> <li>10. Physical Stressors in the Workplace</li> <li>11. Work Schedules</li> <li>12. Alcoholism and Drug Abuse in the Workplace</li> <li>13. Case Studies</li> <li>14. General Evaluation</li> </ol>
<b>Recommended or Required Reading</b>	<p>(Primary Textbook)</p> <p>Karwowski, W. (2006). <i>Handbook of standards and guidelines in ergonomics and human factors</i>. New Jersey: Lawrence Erlbaum Associates.</p> <p>* The primary textbook for this course is renewed every year.</p>
<b>Planned Learning Activities and Teaching Methods</b>	<p>This course is conducted through discussions on the material presented in class and over the compulsory reading material. With this aim in mind, (a) regular lectures supported by visual presentations and (b) class discussions are used. In class discussions students are expected to criticize the conditions which are not ergonomic and make suggestions for change. Additionally, the students are expected to investigate a workplace in terms of ergonomics.</p>
<b>Assessment Methods and Criteria</b>	1 Midterm, 1 Assignment, 1 Final Exam
<b>Language of Instruction</b>	Turkish
<b>Practicum</b>	None

Program Outcomes	Course Learning Outcomes						
	LO1	LO2	LO3	LO4	LO5	LO6	LO7
Analyze problems with the scientific method and appropriate scientific tools.		X		X		X	
Think critically and creatively, ask questions, make comments using the knowledge and skills they have acquired.		X				X	
Develop a positive attitude toward life-long education.		X					
Use the library, scientific databases, internet and other sources effectively.			X				
Have the skills to find out, analyze, evaluate, decide about, and apply the alternative solutions to problems.						X	
Be open-minded to use knowledge stemming from different disciplines and/or areas of psychology.				X			X
Develop a positive attitude toward critical thinking.							
Have advanced theoretical and applied knowledge of psychology supported by contemporary course material.			X	X	X		X
Have the necessary knowledge and skills to analyze and synthesize the main areas of psychology.				X		X	
Be competent in English and Turkish.					X		
Use effective methods to present, share and discuss scientific information.							
Be able to write scientific papers by using international manuals such as APA.							
Show courage and use the necessary skills to propose solutions to the problems of the world they live in.				X		X	
Show courage and have necessary skills to propose solutions to the problems of their own life.		X				X	
Have a positive attitude to statistics and be able to use common statistical software packages.							
Be able to plan and conduct research independently.		X					
Apply qualitative and/or quantitative methods depending on the nature and the scope of a given problem.		X					
Know the research methods and statistical procedures used in behavioral sciences.		X					
Use tools such as questionnaires, inventories, scales, and tests.		X					
Apply psychological knowledge to other problem areas for community welfare.				X		X	
Use theoretical and applied knowledge in accordance with ethical standards.				X			