



**Ağrı İbrahim Çeçen University**  
**Graduate School of Education**  
**Department of Occupational Health and Safety**  
**2020-2021 Autumn Period**

**Assist. Prof. Ebru SENEMTAŞI ÜNAL**  
E-mail: [esenemtasi@agri.edu.tr](mailto:esenemtasi@agri.edu.tr)

**1241862 – Ergonomics**

### Course Description and Objectives

- The aim of this course; To make students understand the importance of ergonomically designing the tools, equipment and devices that people use by considering their anatomical and anthropometric characteristics, psychological and physical capacities. It is to learn how to make hardware arrangement, environmental arrangement and ergonomic working environment arrangement. It is the comprehension of correct working postures and positions. It is to comprehend the effects of environmental factors such as noise, vibration, lighting, temperature, humidity and thermal comfort on employee health. It is knowing the occupational diseases that will occur when exposed to working in non-ergonomic conditions.

### Course Objectives-Outcomes

- To have knowledge about the concept of ergonomics
- To be able to explain the effect of ergonomics on human health
- Determining what to consider when arranging the working environment
- To be able to explain the factors that make up angel diseases

### Course Syllabuses

Weeks	Subject	Tasks
1.Week	<b>The Concept of Ergonomics and Its Historical Development</b>	
2.Week	<b>Basic Concepts in Ergonomics</b>	Homework 1 Prepare a report explaining that ergonomics is an interdisciplinary discipline by making the necessary literature review. (Prepare at least 5 pages.)
3.Week	<b>Anatomy and Physiology of the Human Body</b>	
4. Week	<b>Ergonomic Arrangement of the Workplace</b>	Homework 2 If there are non-ergonomic seating conditions in your work or living environment, prepare a report describing what can be done to make these places Ergonomic.
5. Week	<b>Anthropometric Workplace Arrangement</b>	
6. Week	<b>Anthropometric Workplace Arrangement (Working Postures)</b>	
7. Week	<b>Physical Workplace Arrangement: Noise</b>	Homework 3 Prepare a report by analyzing how you can isolate the noise sources you have identified in your environment.
8. Week	<b>Physical Workplace Arrangement: Lighting</b>	

9. Week	<b>Physical Workplace Arrangement: Air Conditioning</b>	homework 4  Prepare a report by researching the air conditioning conditions in the workplaces in your region.
10. Week	<b>Psychological Workplace Organization</b>	
11. Week	<b>Knowledge-Based Workplace Organization</b>	
12. Week	<b>Security-Based Workplace Regulation</b>	
13. Week	<b>Ergonomics in Occupational Diseases</b>	
14. Week	<b>Ergonomics in Work Organization</b>	
<b>Evaluation System</b>	<b>Semester Studies</b>	<b>Additive %</b>
	Homework (Visa grade) Homework1=Homework2=Homework3= 20 Points Homework4=40 Points	40
	Final examination	60
	Total	100
<b>Course Resources</b>	<a href="https://icerik.ataaof.edu.tr/?d=ergonomi">https://icerik.ataaof.edu.tr/?d=ergonomi</a>	

### Expectations from Participants

- ❖ All participants are expected to attend all classes by making the necessary preparations (detailed in the readings and tasks section) and to be active during the lesson.
- ❖ Reading assignments of each week will be uploaded to moodle system. Students are expected to do the readings before entering the classroom.
- ❖ All assignments will be presented in class. All assignments will be sent to the e-mail address given above. Evaluation will be done by the lecturer giving the course.