



ADIYAMAN  
UNIVERSITY  
FACULTY OF  
ENGINEERING

INTRODUCTION BOOKLET

2006

2024 - 2025

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## About The Faculty

The main purpose of the Faculty of Engineering is to provide engineering education at both undergraduate and postgraduate level. The academic programs of the departments are prepared to train contemporary engineers equipped with research and development skills. There are common courses in all departments of the faculty, in addition to these, in each department, compulsory and elective courses are given according to their field of study and education program. In general, the programs of the departments have a very dynamic structure and they can follow new developments in engineering sciences and provide integration. Research opportunities are available within the faculty, research projects are prepared in various subjects in the departments and research activities are carried out in line with the needs of our country, region and city. Our faculty is open to any ideas that may be the subject of research from outside the university.

## **Administiration**

### **Dean**

Prof. Dr. Murat PALA - Civil Engineering

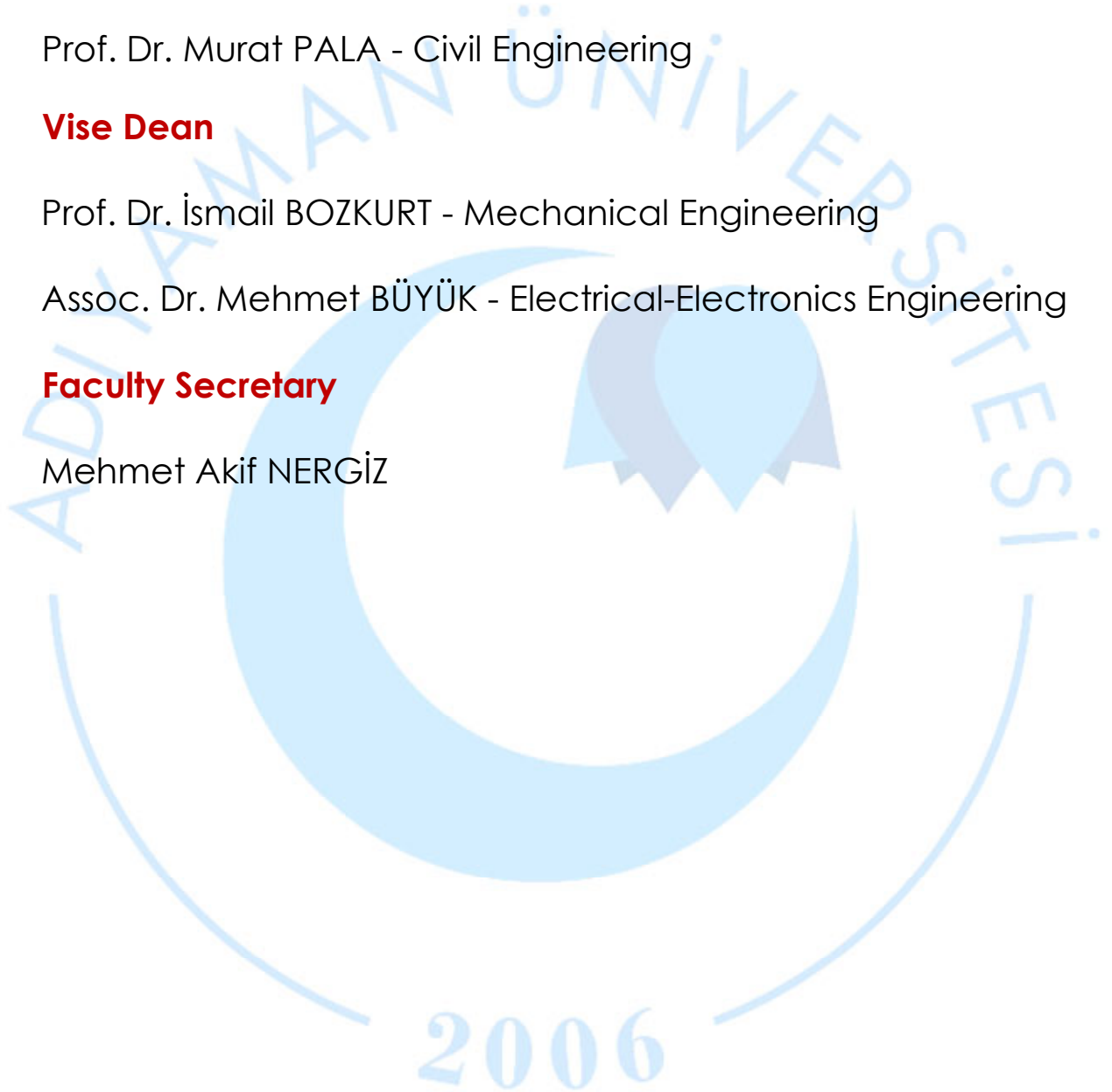
### **Vise Dean**

Prof. Dr. İsmail BOZKURT - Mechanical Engineering

Assoc. Dr. Mehmet BÜYÜK - Electrical-Electronics Engineering

### **Faculty Secretary**

Mehmet Akif NERGİZ



## **Mission&Vision**

### **Mission**

To provide students with the knowledge and working skills required by the engineering profession, to produce contemporary and universal knowledge and technology, to present the information produced to the use of the society, to train well-equipped engineers who have adopted our core values.

### **Vision**

To have academic staff who have adopted research, lifelong learning and teaching with modern science and technology. Also our goals can be listed as follows; Constantly updating the research, development and teaching infrastructure, Developing projects that will transform knowledge into social and industrial benefits, Creating cleaner production awareness with the harmony of "Ecological - Technological - Economic"

components,Preferred in the first place,Putting the intellectual knowledge and interdisciplinary cooperation in the foreground,Respectful to ethical values.

### Strategic Objectives

- 1-Improving the social and environmental conditions of our faculty.
- 2-Increasing efficiency in management and service processes.
- 3-Improving the quality of education and training.
- 4-Improving the opportunities to access information.
- 5-Development of Research and Development opportunities.
- 6-Effective promotion of the faculty.
- 7- To provide a better education at national level.
- 8- To produce knowledge by doing scientific research and publication.
- 9- To produce services that will contribute to society.

## Departments

The Faculty of Engineering currently has the following 7 Departments.

- Computer engineering
- Environmental engineering
- Electrical electronics Engineering
- The food Engineering
- Civil Engineering
- Mechanical Engineering
- Textile engineering



ADIYAMAN UNIVERSITY  
FACULTY OF ENGINEERING  
DEPARTMENT OF  
COMPUTER ENGINEERING

INTRODUCTORY BOOKLET

2006

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## **Department of Computer Engineering**

The department of computer engineering was established in 2012 and will continue to accept students from the 2022-2023 academic year. Computer Engineering Department provides service in the Faculty of Engineering building completed in 2016, the new building with a total area of 4000 m<sup>2</sup> has 8 classrooms for 50 people and a PC laboratory for 60 people.

As of 2024, there are a total of 6 faculty members working in our department, including 1 associate professor, 3 assistant professors, 1 lecturer and 1 research assistant.

### **Head of Department**

Asst. Prof. Dr. Saadin OYUCU

### **Deputy Head of Department**

Assoc. Prof. Dr. Sercan YALÇIN

### **Academic Staff**

Asst. Prof. Dr. Ferdi DOĞAN

Asst. Prof. Dr. Hüseyin VURAL

Lec. Dr. Zeynel Abidin SAMAK

Rsc. Asst. Abuzer DOĞAN

### **Secretary of Department**

İrem AKDULUM

## **Mission & Vision**

### **Mission**

To train computer engineers who have the potential to shape the information age we are in and are well-equipped in basic computer and informatics subjects; to instil in them a sceptical approach and awareness of ethical behavior and to teach them lifelong learning. To undertake universal studies in all fields of computer engineering; To be an R&D partner where cooperation is sought in all kinds of scientific activities.

### **Vision**

To be a department where qualified academics train globally sought- after graduates in the field of computer engineering in cooperation with industry and government institutions in a synergetic framework, using a highly developed research and teaching infrastructure, and direct academic studies in the field with their publications.

## **The Importance of Computer Engineering Department**

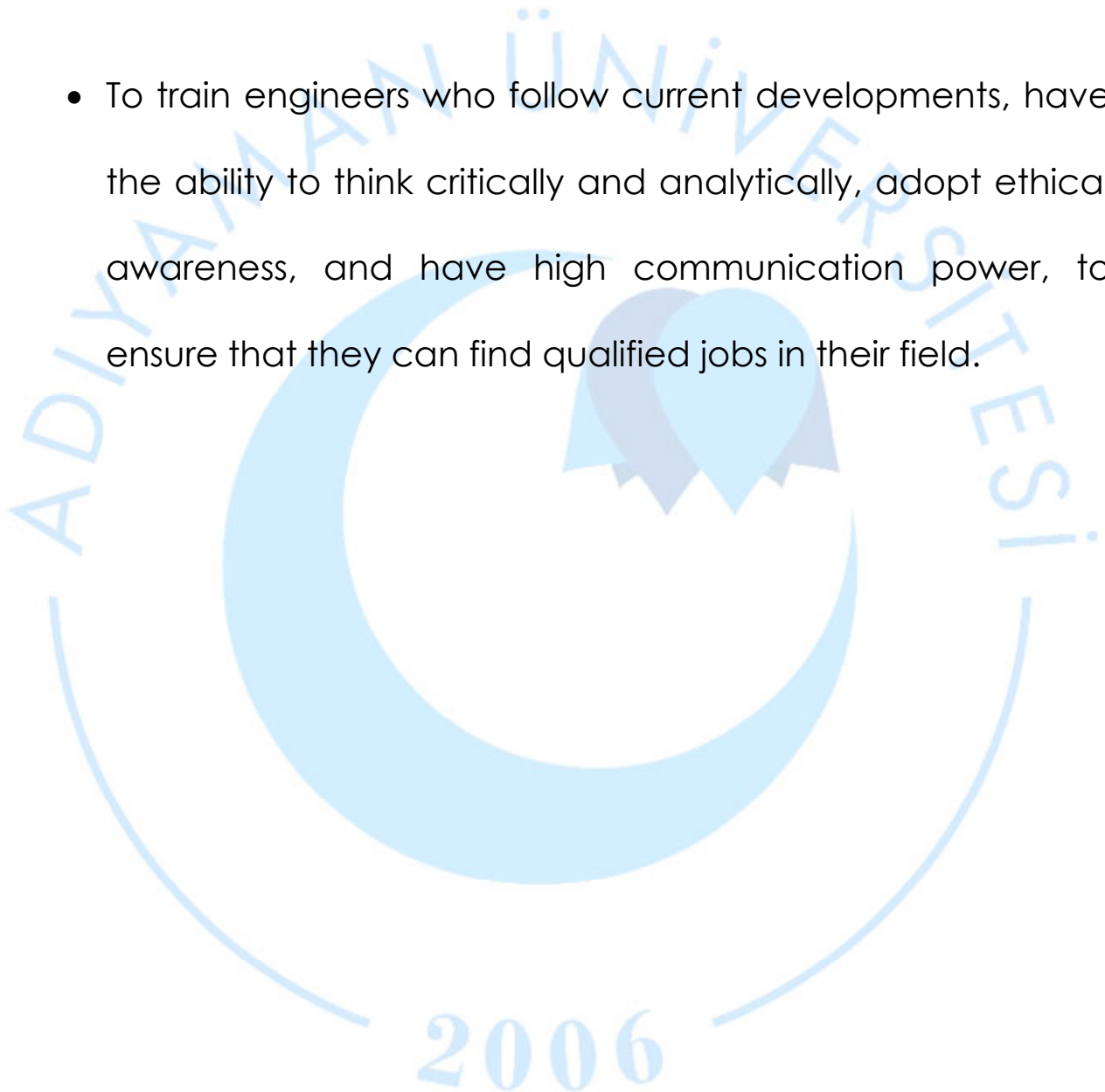
Department of Computer Engineering, with the title of computer engineer gained on a solid foundation and engineering sciences background, can find a qualified job in national or international information institutions or in the academic field, analyze the functioning of an existing system, identify problems and find original and creative solutions, design and implement a new system, able to design projects, to make progress in business life, to make individual and team work, to express himself orally and in writing, to follow the sources written in a foreign language, to be open to innovations and self-confident, as well as sensitive to the problems of our age and fulfilling his profession with the responsibility required by this sensitivity, In order to train computer engineers who can act in accordance with ethical principles, it carries out an education plan that aims to train our students in the best way in both respects by reconciling theory and practice. The program includes compulsory courses related to both basic

engineering sciences and computer engineering. In addition to the compulsory courses in the education plan, there are also optional courses that students can choose according to their own preferences. Thus, the Department of Computer Engineering trains modern engineers who are equipped with the knowledge and skills to serve in all areas of the Computer Engineering profession on a national and international scale, develop themselves by following the developments in their field, are prone to teamwork, are inquisitive, and attach importance to ethical values.

Educational Objectives of the Department include;

- To train researcher graduates who can work in national and international universities and research institutions and do postgraduate studies.
- To train computer engineers who can pursue successful careers and reach leading positions in national and international organizations operating in the field of computer software/hardware.

- To train engineers who can produce professional and scientific projects and take an active role in these projects with the knowledge and skills they have acquired.
- To train engineers who follow current developments, have the ability to think critically and analytically, adopt ethical awareness, and have high communication power, to ensure that they can find qualified jobs in their field.



## **Why Computer Engineering?**

Having a degree in computer engineering gives you the benefits of a broad knowledge, problem-solving and logical thinking ability, no matter what field you're working in. Many universities and employers see success in a computer science course or field as an indicator of versatility.



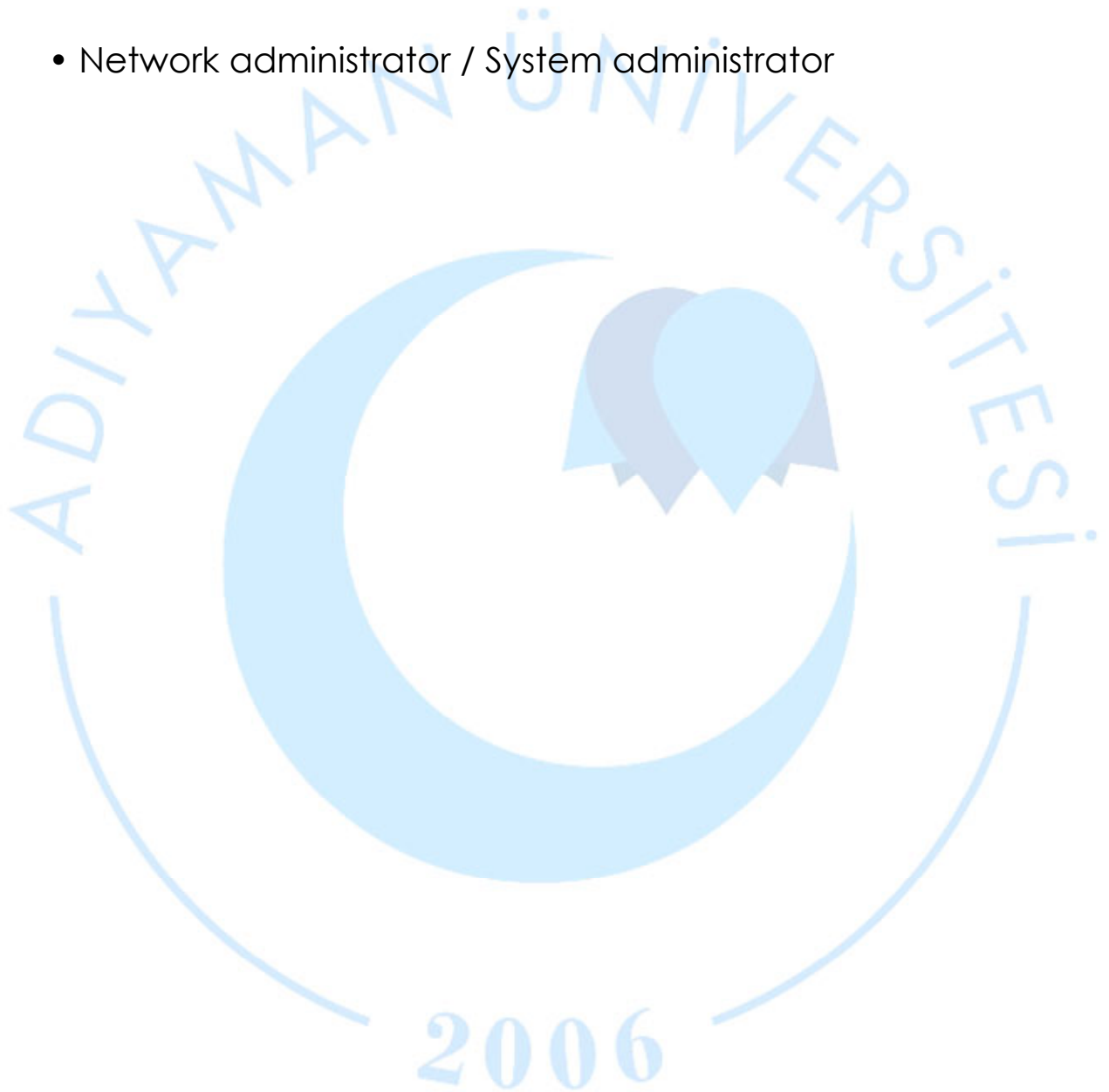
## **Job Opportunities for Graduates**

Computer Engineering is a sought-after and in-demand field in all fields of technology. Our graduates can work in a wide range of positions, from software development to hardware design, from cyber security to data science.

Graduates of our department has the opportunity to work both in the public and private sectors as;

- Software / Hardware Specialist,
- Data Analyst,
- Database Specialist,
- Business analyst / System analyst
- Quality Control and Testing Specialist,
- Web Design Specialist,
- Graphic Design and Drawing,

- Information System Specialist
- Game engineer
- System programmer,
- Network administrator / System administrator



## **The Highest and the Lowest Placement Scores According to the Central Placement Results**

According to the central placement results announced by the Presidency of Measurement, Selection and Placement Center (OSYS) in 2023 undergraduate students were placed in our department with the highest score of 432.36122 and the lowest score of 340.92535. Our quota for 40 undergraduate students has been filled. A total of 94 undergraduate students continues their education in our department.

## Undergraduate Course Catalogue

### 1. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
AİİT101	Ataturk's Principles and History of Revolutions I	C	2	0	0	2	2
FİZ101	Physics I	C	2	0	2	3	4
KİM101	Chemistry	C	2	0	2	3	4
MAT101	Calculus I	C	3	1	0	4	5
TD101	Turkish Language I	C	2	0	0	2	2
YD101	English Language I	C	2	0	0	2	3
BİL101	Algorithm and Programming I	C	3	0	2	4	6
BİL103	Introduction to Computer Engineering	C	2	2	0	3	4
<b>Total</b>			<b>18</b>	<b>3</b>	<b>6</b>	<b>23</b>	<b>30</b>

### 2. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
AİİT102	Ataturk's Principles and History of Revolutions II	C	2	0	0	2	2
FİZ102	Physics II	C	2	0	2	3	4
MAT102	Calculus II	C	3	1	0	4	5
MAT104	Linear Algebra	C	2	0	0	2	3
TD102	Turkish Language II	C	2	0	0	2	2
YD102	English Language II	C	2	0	0	2	3
BİL102	Algorithm and Programming II	C	3	0	2	4	6
BİL104	Computer Hardware	C	2	1	0	3	5
<b>Total</b>			<b>18</b>	<b>2</b>	<b>4</b>	<b>22</b>	<b>30</b>

### 3. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
MUH201	Statistics for Engineers	C	2	0	0	2	3
BİL201	Discrete Mathematics	C	3	1	0	4	5
BİL203	Database	C	2	0	1	3	5
BİL205	Object Oriented Programming	C	3	0	1	4	6
BİL207	Data Structures	C	3	0	1	4	6
BİL209	Professional English Language I	C	3	0	0	3	3
<b>SOSSEC1</b>	<b>Social Elective Course</b>	<b>E</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>
<b>Total</b>			<b>18</b>	<b>1</b>	<b>3</b>	<b>22</b>	<b>30</b>

#### 4. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
MAT202	Differential Equations	C	3	0	0	3	4
MUH204	Occupational Health and Safety	C	2	0	0	2	3
BIL202	Electrical Circuits and Electronics	C	3	0	1	4	5
BIL204	Digital Design	C	3	0	1	4	5
BIL206	Principles of Programming Languages	C	4	0	0	4	6
BIL208	Professional Foreign Language II	C	3	0	0	3	3
BIL210	Internship I	C	0	2	0	1	2
SOSSEC2	Social Elective Course	E	2	0	0	2	2
<b>Total</b>			<b>20</b>	<b>2</b>	<b>2</b>	<b>23</b>	<b>30</b>

#### 5. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL301	Numerical Methods	C	3	0	0	3	4
BIL303	Computer Organization and Architecture	C	2	1	0	3	5
BIL305	Internet Programming	C	3	1	0	4	5
BIL307	Formal Languages and Automata Theory	C	3	0	0	3	5
BIL309	Software Engineering	C	3	0	0	3	5
BILSEC1	Technical Elective Course	E	3	0	0	3	4
SOSSEC3	Social Elective Course	E	2	0	0	2	2
<b>Total</b>			<b>19</b>	<b>2</b>	<b>0</b>	<b>21</b>	<b>30</b>

#### 6. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL302	Algorithm Analysis	C	3	0	0	3	4
BIL304	Computer Networks	C	2	1	0	3	4
BIL306	Operating Systems	C	3	0	0	3	4
BIL308	Microprocessors and Controllers	C	2	0	1	3	5
BILSEC2	Technical Elective Course 1	E	3	0	0	3	4
BILSEC2	Technical Elective Course 2	E	3	0	0	3	4
SOSSEC4	Social Elective Course	E	2	0	0	2	2
BIL310	Internship II	C	0	2	0	0	3
<b>Total</b>			<b>18</b>	<b>3</b>	<b>1</b>	<b>20</b>	<b>30</b>

### 7. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL401	Graduation Project	C	0	2	0	1	8
BIL403	IT Law	C	3	0	0	3	4
BILSEC3	Technical Elective Course 1	E	3	0	0	3	4
BILSEC3	Technical Elective Course 2	E	3	0	0	3	4
BILSEC3	Technical Elective Course 3	E	3	0	0	3	4
BILSEC3	Technical Elective Course 4	E	3	0	0	3	4
SOSSEC5	Social Elective Course	E	2	0	0	2	2
<b>Total</b>			<b>17</b>	<b>2</b>	<b>2</b>	<b>18</b>	<b>30</b>

### 8. Semester

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL402	Adaptation to Engineering	C	0	2	0	1	15
MUHSEC	Engineering Elective Course 1	E	2	0	0	2	5
MUHSEC	Engineering Elective Course 2	E	2	0	0	2	5
MUHSEC	Engineering Elective Course 3	E	2	0	0	2	5
<b>Total</b>			<b>6</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>30</b>

### Technical Elective Courses

#### BILSEC1 (5. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL311	Signals and Systems	E	3	0	0	3	4
BIL313	Information Systems	E	3	0	0	3	4
BIL315	Data Mining	E	3	0	0	3	4
BIL317	Computer Graphics and Animation	E	3	0	0	3	4
BIL319	Research Methods and Techniques	E	3	0	0	3	4
BIL321	Simulation and Modeling	E	3	0	0	3	4
BIL323	Advanced Programming	E	3	0	0	3	4
BIL325	Human Computer Interaction	E	3	0	0	3	4

#### BILSEC2 (6. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
BIL312	Artificial Intelligence	E	3	0	0	3	4

<b>BIL314</b>	Data Science and Big Data Analysis	E	3	0	0	3	4
<b>BIL316</b>	Game Programming	E	3	0	0	3	4
<b>BIL318</b>	Wireless and Cellular Networks	E	3	0	0	3	4
<b>BIL320</b>	Deep Learning	E	3	0	0	3	4
<b>BIL322</b>	Automated Data Collection Techniques	E	3	0	0	3	4
<b>BIL324</b>	Graph Theory	E	3	0	0	3	4
<b>BIL326</b>	Cloud Computing	E	3	0	0	3	4
<b>BIL328</b>	System Programming	E	3	0	0	3	4
<b>BIL330</b>	Industrial Communication Systems	E	3	0	0	3	4
<b>BIL332</b>	Robotics	E	3	0	0	3	4
<b>BIL334</b>	Artificial Neural Networks	E	3	0	0	3	4
<b>BIL336</b>	Model Based Software Development	E	3	0	0	3	4
<b>BIL338</b>	Web Services	E	3	0	0	3	4
<b>BIL340</b>	Non-Relational Databases	E	3	0	0	3	4
<b>BIL342</b>	Electronic Commerce Applications	E	3	0	0	3	4
<b>BIL344</b>	Quantum Computing	E	3	0	0	3	4
<b>BIL346</b>	Server Based Operating Systems	E	3	0	0	3	4
<b>BIL348</b>	Open-Source Operating Systems	E	3	0	0	3	4
<b>BIL350</b>	Medical Image Processing	E	3	0	0	3	4
<b>BIL352</b>	Introduction to Cryptography	E	3	0	0	3	4

### BILSEC3 (7. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
<b>BIL405</b>	Distributed Systems and Parallel Programming	E	3	0	0	3	4
<b>BIL407</b>	Blockchain and Digital Currencies	E	3	0	0	3	4
<b>BIL409</b>	Sensor Networks	E	3	0	0	3	4
<b>BIL411</b>	Embedded Systems	E	3	0	0	3	4
<b>BIL413</b>	Information Retrieval Systems	E	3	0	0	3	4
<b>BIL415</b>	Natural Language Processing	E	3	0	0	3	4
<b>BIL417</b>	Text Classification	E	3	0	0	3	4
<b>BIL419</b>	Image Processing	E	3	0	0	3	4
<b>BIL421</b>	Bioinformatics	E	3	0	0	3	4
<b>BIL423</b>	Voice Processing and Recognition	E	3	0	0	3	4
<b>BIL425</b>	Social Network Analysis	E	3	0	0	3	4
<b>BIL427</b>	Pattern Recognition	E	3	0	0	3	4
<b>BIL429</b>	Internet of Things	E	3	0	0	3	4
<b>BIL431</b>	Machine Learning	E	3	0	0	3	4
<b>BIL433</b>	Forensics	E	3	0	0	3	4
<b>BIL435</b>	Mobile Programming	E	3	0	0	3	4
<b>BIL437</b>	Computer and Network Security	E	3	0	0	3	4



<b>BIL439</b>	Advanced Internet Programming	E	3	0	0	3	4
<b>BIL441</b>	Autonomous Systems	E	3	0	0	3	4
<b>BIL443</b>	Python Programming	E	3	0	0	3	4
<b>BIL445</b>	Java Programming	E	3	0	0	3	4
<b>BIL447</b>	C# Programming	E	3	0	0	3	4
<b>BIL449</b>	.Net Programming	E	3	0	0	3	4
<b>BIL451</b>	Network Programming	E	3	0	0	3	4

## Social Elective Courses

### SOSSEC1 (3. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
<b>SOS201</b>	Communication	E	2	0	0	2	2
<b>SOS203</b>	Environment Management Systems	E	2	0	0	2	2
<b>SOS205</b>	Engineering Economy	E	2	0	0	2	2
<b>SOS207</b>	Critical Analytic Thinking	E	2	0	0	2	2
<b>SOS209</b>	History of Science	E	2	0	0	2	2
<b>SOS211</b>	Volunteering Study	E	2	0	0	2	2

### SOSSEC2 (4. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
<b>SOS202</b>	Public Relations	E	2	0	0	2	2
<b>SOS204</b>	First Aid	E	2	0	0	2	2
<b>SOS206</b>	Environmental Pollution and Control	E	2	0	0	2	2
<b>SOS208</b>	Artificial Intelligence Methods	E	2	0	0	2	2
<b>SOS210</b>	Research and Investigation Techniques	E	2	0	0	2	2

### SOSSEC3 (5. Semester)

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
<b>SOS301</b>	Patent and Industrial Design	E	2	0	0	2	2
<b>SOS303</b>	Environment and Ecology	E	2	0	0	2	2
<b>SOS305</b>	History of Art	E	2	0	0	2	2
<b>SOS307</b>	Sign Language	E	2	0	0	2	2
<b>SOS309</b>	Operations Research	E	2	0	0	2	2
<b>SOS311</b>	Technology and Innovation Management	E	2	0	0	2	2



**SOSSEC4 (6. Semester)**

Course Code	Course Name	C/E	T	U	L	Credit	ECTS
SOS302	Entrepreneurship	E	2	0	0	2	2
SOS304	Akhism and Professional Ethics	E	2	0	0	2	2
SOS306	Production Planning	E	2	0	0	2	2
SOS308	Ergonomics	E	2	0	0	2	2
SOS310	Climate Change and Sustainable Management	E	2	0	0	2	2
SOS312	Career Planning and Development	E	2	0	0	2	2
SOS314	International Relations	E	2	0	0	2	2

**SOSSEC5 (7. Semester)**

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
SOS401	Occupational Law	E	2	0	0	2	2
SOS403	Intellectual and Industrial Property	E	2	0	0	2	2
SOS405	Energy Saving in Industry	E	2	0	0	2	2
SOS407	Business Administration and Management	E	2	0	0	2	2
SOS409	Factory Organization and Facility Planning	E	2	0	0	2	2
SOS411	Productivity Measurement and Analysis	E	2	0	0	2	2
SOS413	Risk Management	E	2	0	0	2	2
SOS415	Energy and Environment	E	2	0	0	2	2

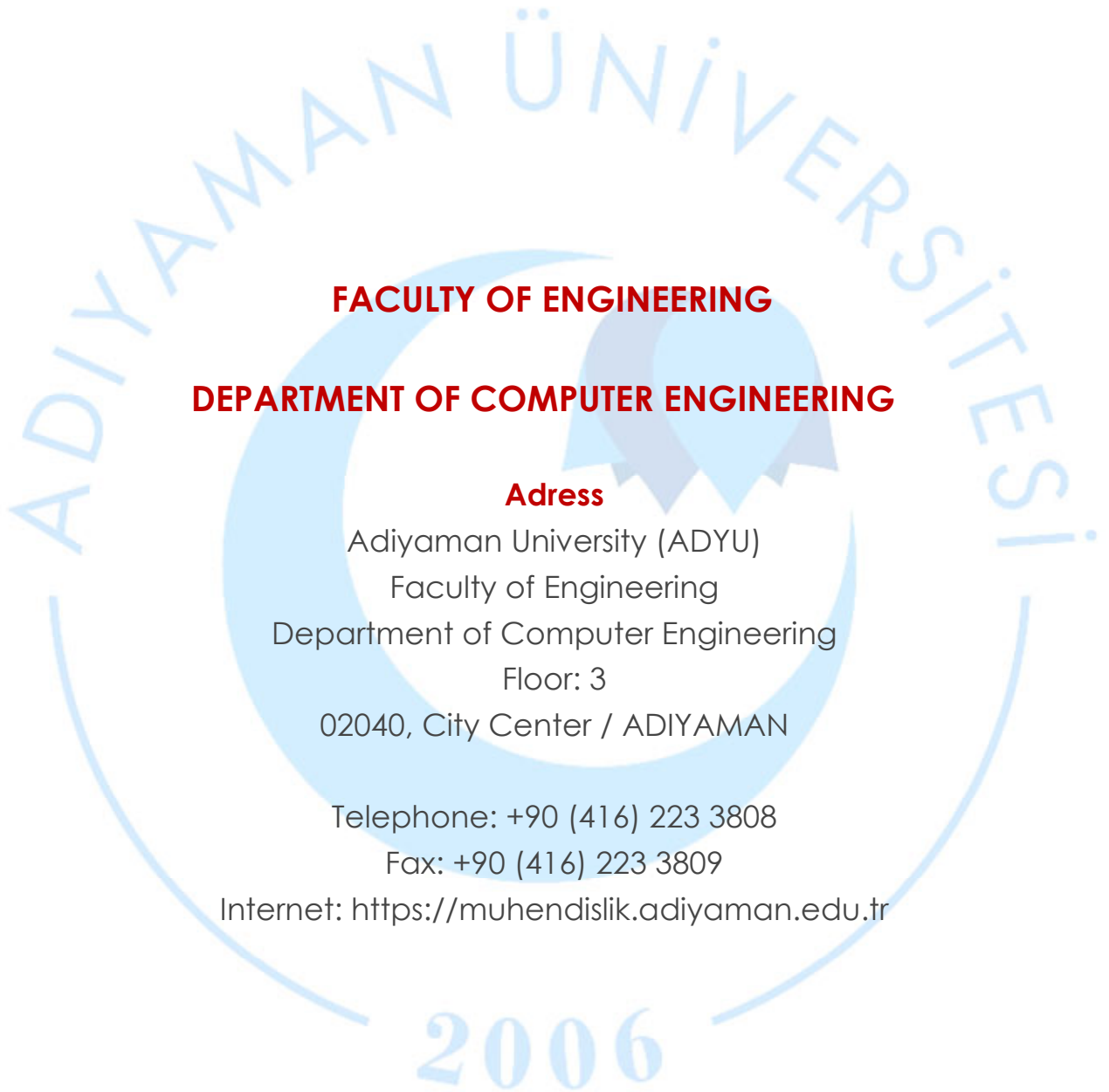
**Engineering Elective Courses****MUHSEC (7. Semester)**

Course Code	Course Name	C/E	T	P	L	Credit	ECTS
MUH402	Innovation and Product Development	E	2	0	0	2	5
MUH404	Quality Control and Standards	E	2	0	0	2	5
MUH406	Productivity Management	E	2	0	0	2	5
MUH408	Organizational Behavior for Engineers	E	2	0	0	2	5
MUH410	Business Establishment and Government Supports	E	2	0	0	2	5

**C:** Compulsory **E:** Elective **T:** Theoretical **P:** Practical **L:** Laboratory **Credit:** National Credit  
**ECTS:** European Credit Transfer and Accumulation System

## **Activities**

The Computer Engineering Department organizes Tea Talk events annually, where informative seminars on new research topics are held. These Tea Talk seminars are open to all faculty and students. The goal is to increase students' interest in academia and to create a scientific discussion environment. In addition, Career Talks are held regularly every year, where experts in the field give seminars. The aim of these talks is to inform students about job opportunities and market conditions.



**FACULTY OF ENGINEERING**

**DEPARTMENT OF COMPUTER ENGINEERING**

**Adress**

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ADIYAMAN UNIVERSITY  
ENGINEERING FACULTY  
DEPARTMENT OF  
ENVIRONMENTAL ENGINEERING

DESCRIPTION BOOKLET

2006

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  - Course Catalogue
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## Department of Environmental Engineering

The Adyaman University Environmental Engineering Department was established in 2011 and started admitting students for the first time in the 2012-2013 academic year.



## Head of Department

Prof. Dr. Yavuz DEMİRCİ

## Academic Staff

Prof. Dr. Özgür ÖZDEMİR

Prof. Dr. Yavuz DEMİRCİ

Prof. Dr. Harun TÜRKMENLER

Assoc. Prof. Dr. Fatih TUFANER

Assoc. Prof. Dr. Aysel ALKAN UÇKUN

Assist. Prof. Dr. Turgay DERE

Assist. Prof. Dr. Kâmil B. VARINCA

Assist. Prof. Dr. Müslüm ALTUN

Rsc. Asst. Dr. Şeyma AKKURT

## Department Secretary

Kadriye GÜNDÜZ

2006

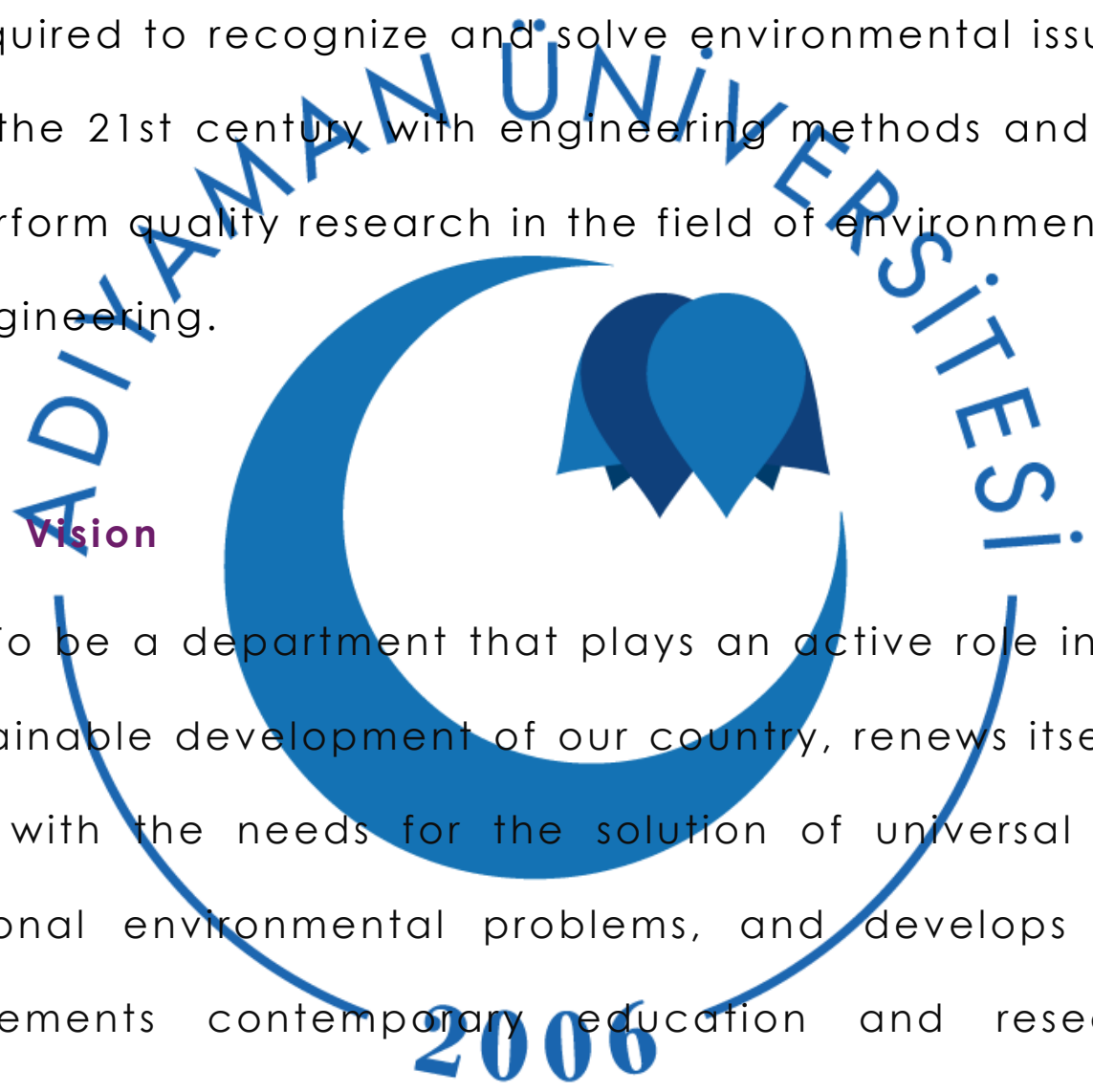
- **Mission & Vision**

**Mission**

To raise people with the skills and equipment required to recognize and solve environmental issues in the 21st century with engineering methods and to perform quality research in the field of environmental engineering.

**Vision**

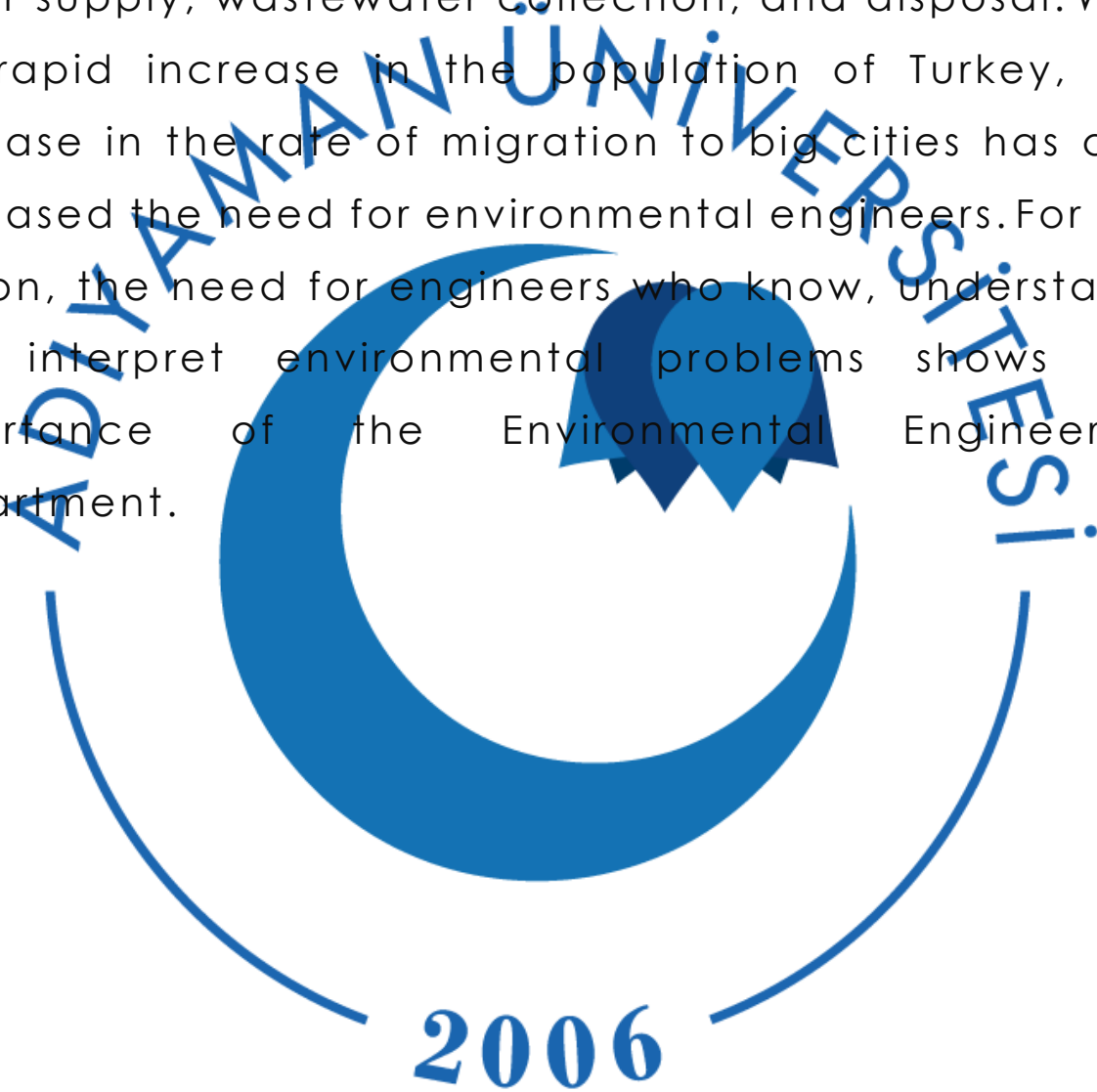
To be a department that plays an active role in the sustainable development of our country, renews itself in line with the needs for the solution of universal and national environmental problems, and develops and implements contemporary education and research strategies in this regard.





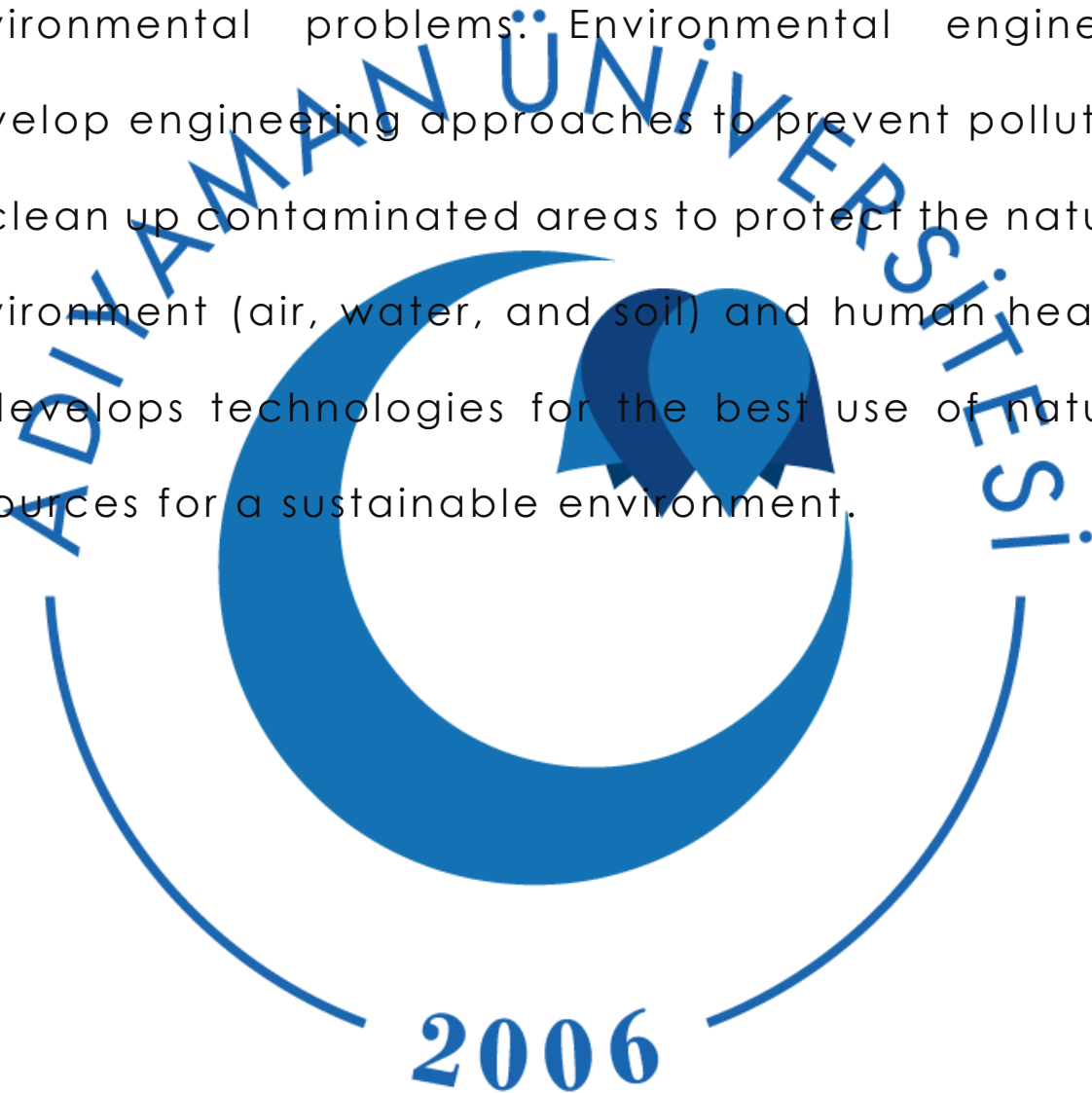
## Importance of Departments of Environmental Engineering

In the world, water, wastewater, industrial wastewater treatment, solid waste management, and air pollution control have gained importance, as well as water supply, wastewater collection, and disposal. With the rapid increase in the population of Turkey, the increase in the rate of migration to big cities has also increased the need for environmental engineers. For this reason, the need for engineers who know, understand, and interpret environmental problems shows the importance of the Environmental Engineering Department.



## Why Department of Environmental Engineering?

Environmental engineering is an interdisciplinary branch of engineering that finds solutions to environmental problems. Environmental engineers develop engineering approaches to prevent pollution or clean up contaminated areas to protect the natural environment (air, water, and soil) and human health. It develops technologies for the best use of natural resources for a sustainable environment.



## Job Opportunities for Our Graduate Students

Our graduates can work in different fields, such as industrial facilities, public institutions, public health institutions, research and development centers and laboratories, as well as consultancy firms. Working areas of environmental engineering include water and wastewater treatment, air pollution control, solid waste disposal, soil pollution, and noise pollution. Below are some organizations where our graduates can work.

- The Ministry of Environment, Forestry, and Water Affairs and its affiliates
- The Ministry of Environment and Urbanization and its affiliates
- The Ministry of Health and its affiliates
- The State Planning Organization
- The State Water Works
- İller Bank
- Laboratories for Public Health

- Universities
- Local Authorities
- Treatment companies
- Industry associations
- Environmental Consulting Firms
- Engineering and Project Firms



## Highest and Lowest Placement Scores According to Central Placement

Our department admits students with LYS (MF-4 score type) and DGS exams. However, our department has been closed to student admissions since the 2018–2019 academic year. The Master's Program was opened in our department in the 2022–2023 Fall Semester, and postgraduate education has started to be offered again.



# Course Catalogue

## 1. Class

<b>First Semester</b>					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV101	Introduction to Environmental Engineering	4	2+1/3	C	T
CEV103	Mathematics 1	4	2+2/3	C	T
CEV105	Physics 1	4	2+2/3	C	T
CEV107	Chemistry 1	4	2+2/3	C	T
CEV109	Technical Drawing and Descriptive Geometry	4	2+2/3	C	T
TD101	Turkish I	2	2+0/2	C	T
YD101	English I	3	2+0/2	C	T
AlİT101	Ataturk's Principles and Turkish Revolution 1	2	2+0/2	C	T
CEV1..	University Elective Course 1	3	2+0/2	E	T
Fall Semester Total:		<b>30</b>	<b>18+9/ 23</b>		

<b>Second Semester</b>					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV102	Environmental Microbiology 1	4	2+2/3	C	T
CEV104	Mathematics 2	4	2+2/3	C	T
CEV106	Physics 2	4	2+2/3	C	T
CEV108	Chemistry 2	4	2+2/3	C	T
TD102	Turkish II	2	2+0/2	C	T
YD102	English II	3	2+0/2	C	T
AlİT102	Ataturk's Principles and Turkish Revolution II	2	2+0/2	C	T
ENF102	Introduction to Information Technologies and Applications	4	2+0/2	C	T
CEV1..	University Elective Course 2	3	2+0/2	E	T
Spring Semester Total:		<b>30</b>	<b>18+8/ 22</b>		
YEAR TOTAL ::		<b>60</b>			

## 2. Class

<b>Third Semester</b>					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV201	Environmental Chemistry 1	4	2+2/3	C	T
CEV203	Environmental Microbiology 2	4	2+2/3	C	T
CEV219	Materials in Environmental Engineering	3	2+0/2	C	T
CEV207	Fluid Mechanics and Hydraulics	4	2+2/3	C	T
CEV209	Computer Programming and Design	3	2+2/3	C	T
CEV215	Professional English 1	3	2+0/2	C	T
CEV2..	University Elective Course 3	3	2+0/2	E	T
CEV2..	Faculty Elective Course 1	3	2+2/3	E	T
CEV2..	Vocational Elective Course 1	3	2+0/2	E	T
Fall Semester Total:		<b>30</b>	<b>18+10 /23</b>		

<b>Fourth Semester</b>					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV202	Environmental Chemistry 2	4	2+2/3	C	T
CEV204	Environmental Engineering Ecology	3	2+0/2	C	T
CEV220	Static and Strength of Materials	4	2+2/3	C	T

CEV208	Physical Unit Operations in Environmental Engineering	4	2+2/3	C	T
CEV216	Professional English 2	3	2+0/2	C	T
CEV210	Computer Applications in Environmental Engineering	3	2+2/3	C	T
CEV2..	University Elective Course 4	3	2+0/2	E	T
CEV2..	Faculty Elective Course 2	3	2+2/3	E	T
CEV2..	Vocational Elective Course 2	3	2+0/2	E	T
	Spring Semester Total:	<b>30</b>	18+10 /23		
	YEAR TOTAL:	<b>60</b>			

### 3. Class

#### Fifth Semester

Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV301	Chemical Unit Operations in Environmental Engineering	4	2+2/3	C	T
CEV303	Solid Waste Management	3	2+1/3	C	T
CEV305	Water Supply	4	2+2/3	C	T
CEV307	Water Quality and Management	3	2+1/3	C	T
CEV311	Air Pollution	3	2+1/3	C	T
CEV343	Reuse of Wastes	3	2+0/2	C	T
CEV3..	University Elective Course 5	4	2+2/3	E	T
CEV3..	Faculty Elective Course 3	3	2+0/2	E	T
CEV3..	Vocational Elective Course 3	3	2+0/2	E	T
	Fall Semester Total:	<b>30</b>	18+9/23		

#### Sixth Semester

Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV302	Biological Unit Operations in Environmental Engineering	4	2+1/3	C	T
CEV304	Hazardous Waste Management	3	2+1/3	C	T
CEV306	Sewerage	3	2+2/3	C	T
CEV308	Water Treatment and Plant Design	4	2+2/3	C	T
CEV312	Air Pollution Control	3	2+1/3	C	T
CEV344	Industrial Microbiology	3	2+0/1	C	T
CEV3..	University Elective Course 6	4	2+0/2	E	T
CEV3..	Faculty Elective Course 4	3	2+0/2	E	T
CEV3..	Vocational Elective Course 4	3	2+0/2	E	T
	Spring Semester Total:	<b>30</b>	18+7/22		
	YEAR TOTAL:	<b>60</b>			

### 4. Class

#### Seventh Semester

Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV401	Industrial Pollution Control	3	2+1/3	C	T
CEV403	Wastewater Treatment and Plant Design	4	2+2/3	C	T
CEV441	Environmental Engineering Practices	2	0+2/1	C	T
CEV447	Senior Design Project	3	0+2/1	C	T
CEV4..	Faculty Elective Course 5	3	2+0/2	E	T
CEV4..	Vocational Elective Course 5	3	2+0/2	E	T
CEV4..	Vocational Elective Course 6	3	2+0/2	E	T
CEV4..	Vocational Elective Course 7	3	2+0/2	E	T
CEV4..	Vocational Elective Course 8	3	2+0/2	E	T

CEV4..	Vocational Elective Course 9	3	2+0/2	E	T
Fall Semester Total::		<b>30</b>	<b>16+7/20</b>		
<b>Eight Semester</b>					
Course Code	Course Name	ECTS	WCH T+A/C	C/E	La.
CEV402	Engineering Adaptation	15	0+2/0	C	T
MUHSEC 8	Engineering Elective Course (3 Courses Will Be Elected)	15	2+0/0	E	T
Total:		<b>30</b>	<b>6+2/0</b>		
YEAR TOTAL:		<b>60</b>			
ECTS TOTAL :		<b>240</b>			

\* For elective courses determined by the Rectorate T+A/C → 2+0/2

<b>Elective Courses</b>					
<b>1. Class</b>					
<b>First Semester</b>					
University Elective Course 1					
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV111	History of Science	3	2+0/2	E	T
CEV113	First Aid	3	2+0/2	E	T
<b>Second Semester</b>					
University Elective Course 2					
CEV110	Critical Analytical Thinking	3	2+0/2	E	T
CEV112	Communication	3	2+0/2	E	T
<b>2. Class</b>					
<b>Third Semester</b>					
University Elective Course 3					
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV221	Sign Language	3	2+0/2	E	T
Faculty Elective Course 1					
CEV223	Soil Mechanics and Basic Construction	3	2+2/3	E	T
CEV225	Differential Equations	3	2+2/3	E	T
Vocational Elective Course 1					
CEV211	Numerical Analysis	3	2+0/2	E	T
CEV217	Reaction Kinetics	3	2+0/2	E	T
<b>Fourth Semester</b>					
University Elective Course 4					
CEV222	Scientific Research Methods	3	2+0/2	E	T
Faculty Elective Course 2					
CEV224	Surveying Techniques	3	2+2/3	E	T
Vocational Elective Course 2					
CEV212	Statistics for Engineers	3	2+0/2	E	T
CEV218	Thermodynamics	3	2+0/2	E	T
<b>3. Class</b>					
<b>Fifth Semester</b>					
University Elective Course 5					



Course Code	Course Name	ECTS	WCH	C/E	La.
CEV 337	Entrepreneurship	4	2+2/3	E	T
Faculty Elective Course 3					
CEV339	Quality Management Systems	3	2+0/2	E	T
CEV341	Occupational Health and Safety	3	2+0/2	E	T
Vocational Elective Course 3					
CEV313	Environmental Laws	3	2+0/2	E	T
CEV315	Environmental Sanitation	3	2+0/2	E	T
CEV317	Soil Pollution and Control	3	2+0/2	E	T
CEV319	Hydrology	3	2+0/2	E	T
CEV323	Design in Environmental Engineering	3	2+0/2	E	T
CEV327	Ecotoxicology	3	2+0/2	E	T
CEV329	Noise Pollution and Control	3	2+0/2	E	T
CEV331	Environmental Biotechnology	3	2+0/2	E	T
CEV333	Waste Disposal Methods	3	2+0/2	E	T
CEV335	Geographic Information Systems	3	2+0/2	E	T
<b>Sixth Semester</b>					
University Elective Course 6					
CEV338	Business Law	4	2+0/2	E	T
AHL302	Ahi Community and Professional Ethics	4	2+0/2	E	T
Faculty Elective Course 4					
CEV340	Environmental Management Systems	3	2+0/2	E	T
CEV342	Technology and Innovation Management	3	2+0/2	E	T
Vocational Elective Course 4					
CEV314	Environmental Economics	3	2+0/2	E	T
CEV316	Water Pollution and Control	3	2+0/2	E	T
CEV318	Integrated Watershed Management	3	2+0/2	E	T
CEV322	Air Pollution Modeling	3	2+0/2	E	T
CEV324	Climate Change	3	2+0/2	E	T
CEV328	Groundwater Pollution and Control	3	2+0/2	E	T
CEV330	Natural Treatment Systems	3	2+0/2	E	T
CEV332	Biomonitoring	3	2+0/2	E	T
CEV334	Planning of Environmental Resources	3	2+0/2	E	T
CEV336	Renewable Energy Resources	3	2+0/2	E	T
<b>4. Class</b>					
<b>Seventh Semester</b>					
Faculty Elective Course 5					
Course Code	Course Name	ECTS	WCH	C/E	La.
CEV443	Risk Management	3	2+0/2	E	T
CEV445	Project Management	3	2+0/2	E	T
Vocational Elective Course 5-9					
CEV 407	Environmental Impact Assessment	3	2+0/2	E	T
CEV 411	Landfill Design	3	2+0/2	E	T
CEV 413	Equipment and Operation of Treatment Plants	3	2+0/2	E	T
CEV 415	Membrane Applications	3	2+0/2	E	T
CEV 417	Biogas Production Technologies	3	2+0/2	E	T
CEV 421	Operation of Solid Waste Plants	3	2+0/2	E	T
CEV 423	Advanced Wastewater Treatment	3	2+0/2	E	T
CEV 425	Pumping Plant and Transmission Lines	3	2+0/2	E	T
CEV 427	Thermal Methods in Solid Waste Disposal	3	2+0/2	E	T
CEV 431	Control of Treatment Sludges	3	2+0/2	E	T
CEV 433	Anaerobic Treatment Technologies	3	2+0/2	E	T
CEV 435	Environmental Modeling	3	2+0/2	E	T
CEV 437	Biological Methods in Solid Waste Disposal	3	2+0/2	E	T

Eighth Semester					
MUH 402	Innovation and Product Development	5	2+0/0	E	T
MUH 404	Quality Control and Standards	5	2+0/0	E	T
MUH 406	Productivity Management	5	2+0/0	E	T
MUH 408	Organizational Behavior for Engineers	5	2+0/0	E	T
MUH 410	Business Establishment and State Support	5	2+0/0	E	T

**WCH:** Weekly Course Hours

**T+U/K:** Theoretical + Application/Credit

**ECTS:** European Credit Transfer System

**C/E:** Compulsory/Elective

**La.:** Language (T: Turkish)



# Graduate Course Catalog

1. Semester						
Course Code	Course Name	T	U	National credit	ECTS	C/E
BAT 550	Scientific Research Techniques And Publication Ethics	3	0	3	6	C
CEMYU 501	Directed Field Studies I	4	0	0	6	C
	Elective Course 1	3	0	3	6	E
	Elective Course 2	3	0	3	6	E
	Elective Course 3	3	0	3	6	E
<b>Total</b>				<b>12</b>	<b>30</b>	

2. Semester						
Course Code	Course Name	T	U	National credit	ECTS	C/E
CEMYU 502	Directed Field Studies II	4	0	0	6	C
CEMYS 502	Master Seminar	0	2	0	6	C
	Seçmeli Ders 4	3	0	3	6	E
	Seçmeli Ders 5	3	0	3	6	E
	Seçmeli Ders 6	3	0	3	6	E
<b>Total</b>				<b>9</b>	<b>30</b>	

3. Semester						
Course Code	Course Name	T	U	National credit	ECTS	C/E
CEMYU 503	Directed Field Studies III	4	0	0	6	C
CEMYT 503	Thesis Studies I	0	0	0	24	C
<b>Total</b>				<b>0</b>	<b>30</b>	

4. Semester						
Course Code	Course Name	T	U	National Credit	ECTS	C/E
CEMYU 504	Directed Field Studies IV	4	0	0	6	C
CEMYT 504	Thesis Studies II	0	0	0	24	C
<b>Total</b>				<b>0</b>	<b>30</b>	

General		
Semester	Course Hour (T/U/K)	ECTS
1. Semester	16/0/12	30
2. Semester	13/2/9	30
3. Semester	4/0/0	30
4. Semester	4/0/0	30
<b>Total</b>	<b>37/2/21</b>	<b>120</b>

## 1. Semester Elective Courses

Course Code	Course Name	T	U	K	ECTS
CEM 501	Advanced Environmental Engineering Microbiology	3	0	3	6
CEM 503	Environmental Biotechnology-I	3	0	3	6
CEM 505	Advanced Wastewater Treatment Technologies	3	0	3	6
CEM 507	Environmental Biophysics	3	0	3	6
CEM 509	Drought and Water Management	3	0	3	6
CEM 511	Computer Aided Drawing for Scientific Studies	3	0	3	6
CEM 513	Integrated Waste Management and Zero Waste	3	0	3	6
CEM 515	Geographic Information System (GIS) in Environmental Monitoring and Assessment	3	0	3	6
CEM 517	Adsorption and Ion Exchange in Environmental Engineering	3	0	3	6
CEM 519	Soil Pollution and Control	3	0	3	6
CEM 521	Global Climate Change	3	0	3	6
CEM 523	Waste Management in Industries	3	0	3	6
CEM 525	Radioactive Contamination	3	0	3	6
CEM 527	Energy Efficiency in Wastewater Treatment	3	0	3	6
CEM 529	Natural Systems in Wastewater Treatment	3	0	3	6
CEM 531	Industrial Air Pollutants	3	0	3	6
CEM 533	Particle Control in Air Pollution	3	0	3	6
CEM 535	Flue Gas Measurement and Analysis	3	0	3	6
CEM 537	Filtration	3	0	3	6
CEM 539	Air Pollution Modeling	3	0	3	6
CEM 541	Fuzzy Logic Modelling in Engineering	3	0	3	6
CEM 543	Wastewater Treatment Technologies	3	0	3	6
CEM 545	Novel Materials for Environmental Applications	3	0	3	6
CEM 547	Life Cycle Analysis Principles	3	0	3	6

## 2. Semester Elective Courses

Course Code	Course Name	T	U	K	ECTS
CEM 504	Biochemical Processes in Wastewater Treatment Systems	3	0	3	6
CEM 506	Water Chemistry	3	0	3	6
CEM 508	Energy Production from Waste and Biomass	3	0	3	6
CEM 510	Biological Nitrogen and Phosphorus Removal from Wastewater	3	0	3	6
CEM 512	Physico-Chemical Processes of Wastewater Treatment Systems	3	0	3	6
CEM 514	Advanced Oxidation Processes	3	0	3	6
CEM 516	Statistics in Environmental Engineering	3	0	3	6
CEM 518	Environmental Applications of Remote Sensing	3	0	3	6
CEM 520	Assessment and Management of Environmental Noise	3	0	3	6
CEM 522	Recycling and Reuse of Wastewater	3	0	3	6
CEM 524	Eutrophication	3	0	3	6

CEM 526	Membrane Processes for Wastewater Treatment	3	0	3	6
CEM 528	Environmental Micropollutants	3	0	3	6
CEM 530	Gaining Matter and Energy from Solid Waste	3	0	3	6
CEM 532	Environmental Biotechnology-II	3	0	3	6
CEM 534	Emission-Immission Sampling Systems of Industrial Air Pollutants	3	0	3	6
CEM 536	Management of Special Wastes	3	0	3	6
CEM 538	Greenhouse Gas Emissions and Monitoring	3	0	3	6
CEM 540	Zero Waste Approaches and Sustainable Resource Recovery	3	0	3	6
CEM 542	Applications of Prediction Models in Environmental Engineering	3	0	3	6
CEM 544	Advanced Techniques in Sedimentation Pools	3	0	3	6
CEM 546	Waste Gas Control	3	0	3	6
CEM 548	Dispersion Models of Air Pollution	3	0	3	6
CEM 550	Agro-industrial Waste Valorization	3	0	3	6
CEM 552	Water and Carbon Footprint in the Context of Environmental Sustainability	3	0	3	6
CEM 554	Losses in Water Networks and Prevention Methods	3	0	3	6



## Activities

The workshop on the subject of "biogas," which has been emphasized and researched in recent years as a renewable energy source by our department, was held at the Adiyaman University Central Research Laboratory.

Another scientific event organized by our department was the Environmental Engineering Education and Research Workshop in Turkey in 2018. The current situation and future of education in Environmental Engineering Departments in Turkey were discussed, along with suggestions.

The latest scientific event organized with the contributions of our department is the 1st Adiyaman Water Workshop, in cooperation with Adiyaman University and Adiyaman Municipality, on Tuesday, March 22, 2022, at the Adiyaman University Rectorate conference hall. In the workshop, which was held in three different sessions, the importance of water resources and water pollution issues were discussed through oral presentations.

## Classrooms;



## Laboratories;



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Some of the devices in our laboratory;

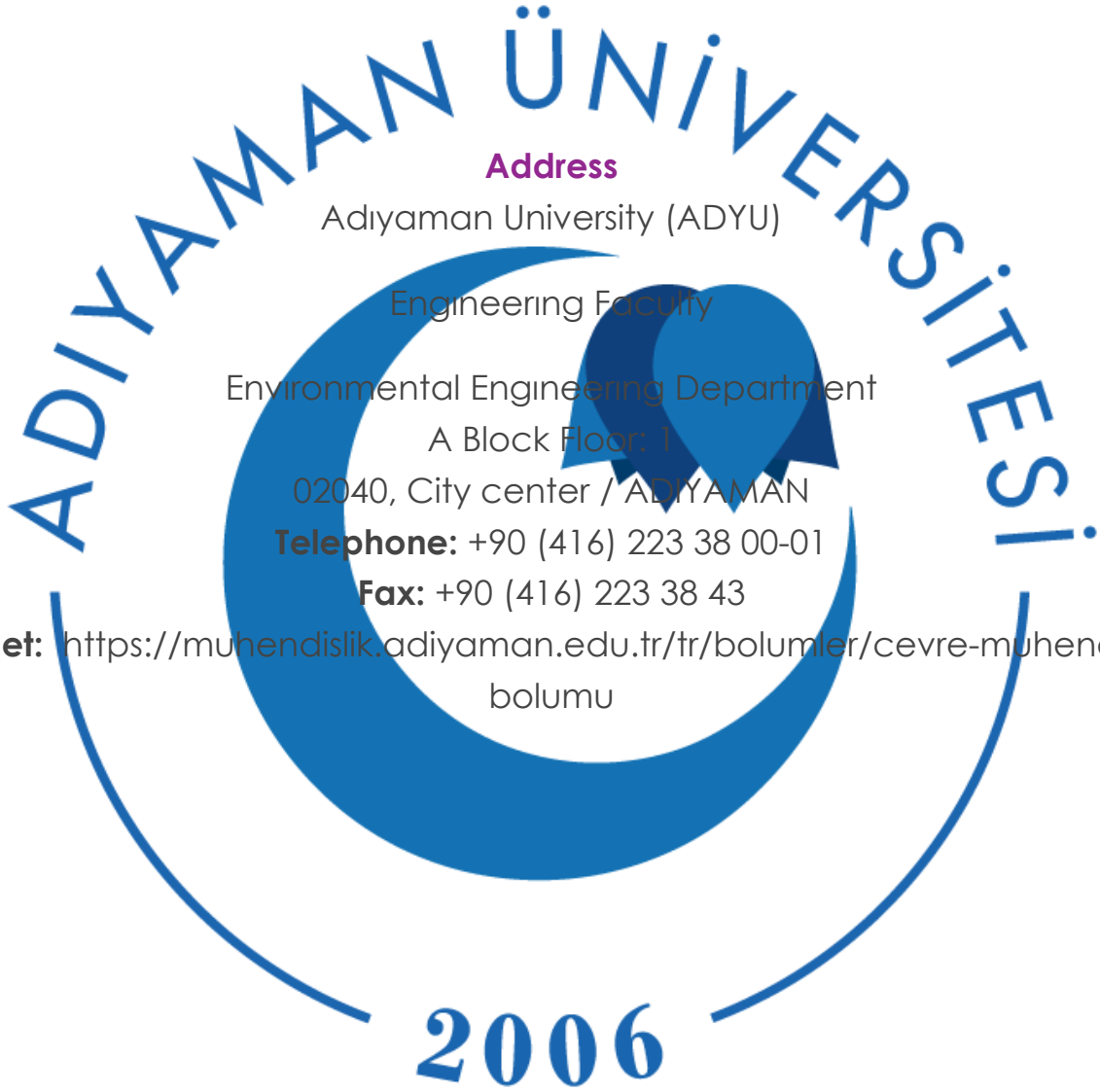
- Atomic Absorption Spectrophotometry (AAS)
- Total Organic Carbon Analyzer (TOC)
- UV Spectrophotometer
- Incubator
- Distilled Water Device
- COD Heater Unit
- Oven
- Ash Furnace
- Jar Test Unit
- pH Meter
- Magnetic Stirrer
- Precision scales
- Microscope etc.





ENGINEERING FACULTY

ENVIRONMENTAL ENGINEERING DEPARTMENT





ADIYAMAN UNIVERSITY  
ENGINEERING FACULTY  
DEPARTMENT OF ELECTRICAL-  
ELECTRONICS ENGINEERING

PROMOTIONAL BROCHURE

2006

2024-2025

## CONTENTS

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2006

## Our Department

The Faculty of Engineering at Adıyaman University was established by the decision of the Council of Ministers dated 04.04.2011 and published in the Official Gazette on 15.04.2011, numbered 2011/1595. The Department of Electrical and Electronics Engineering within the Faculty of Engineering has an academic staff consisting of 8 faculty members (1 Professor, 2 Associate Professors, 1 Assistant Professor, and 4 Visiting Faculty Members—2 of whom are Associate Professors and 2 are Assistant Professors), 2 Research Assistants with PhDs, and 1 Research Assistant.

2006

## Head of Department

Assoc. Dr. Abdurrahman ÖZBEYAZ

([aosebeyaz@adiyaman.edu.tr](mailto:aosebeyaz@adiyaman.edu.tr))

## Academic Staff

### Control and Command Systems Department

Prof. Dr. Seydi Vakkas ÜSTÜN

Res. Asst. Dr. Hazin İNCİ

Res. Asst. Mustafa KAYA

### Department of Telecommunications

Assoc. Dr. Abdurrahman ÖZBEYAZ

### Department of Electrical Installations

Assoc. Prof. Dr. Mehmet BÜYÜK

Asst. Prof. Dr. Faruk KÜRKER

## Department of Circuits and Systems

Res. Asst. Dr. Önder POLAT

### Visiting Faculty Members

Assoc. Prof. Dr. Merivan ŞAŞMAZ

Assoc. Prof. Dr. Oğuz Kağan KÖKSAL

Asst. Prof. Dr. Nazlı KARAMAN

Asst. Prof. Dr. M. İsmail GÜRSOY

### Department Secretary

Kadriye GÜNDÜZ ([kgunduz@adiyaman.edu.tr](mailto:kgunduz@adiyaman.edu.tr))



- **Mission & Vision**

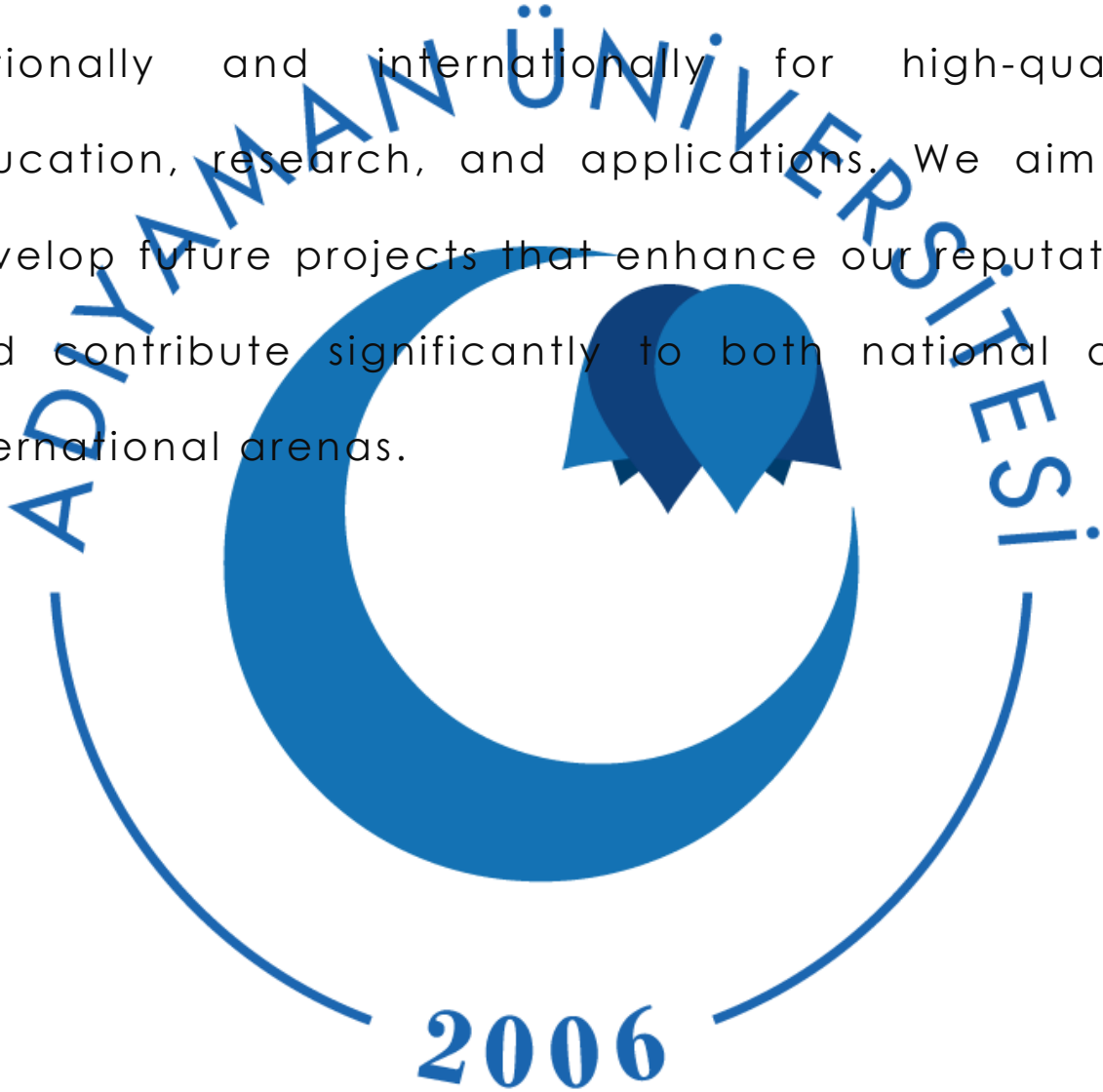
### **Mission**

To educate qualified Electrical and Electronics engineers equipped with the knowledge and skills required by the contemporary era, capable of competing internationally, generating solutions to societal problems, sensitive to universal values, embodying professional ethics, and possessing problem-solving abilities. Our mission includes conducting research that contributes to the development of technologies needed by national and international communities.

**2006**

## Vision

To become a respected Department of Electrical and Electronics Engineering in its region, recognized nationally and internationally for high-quality education, research, and applications. We aim to develop future projects that enhance our reputation and contribute significantly to both national and international arenas.





## The Importance of Electrical and Electronics

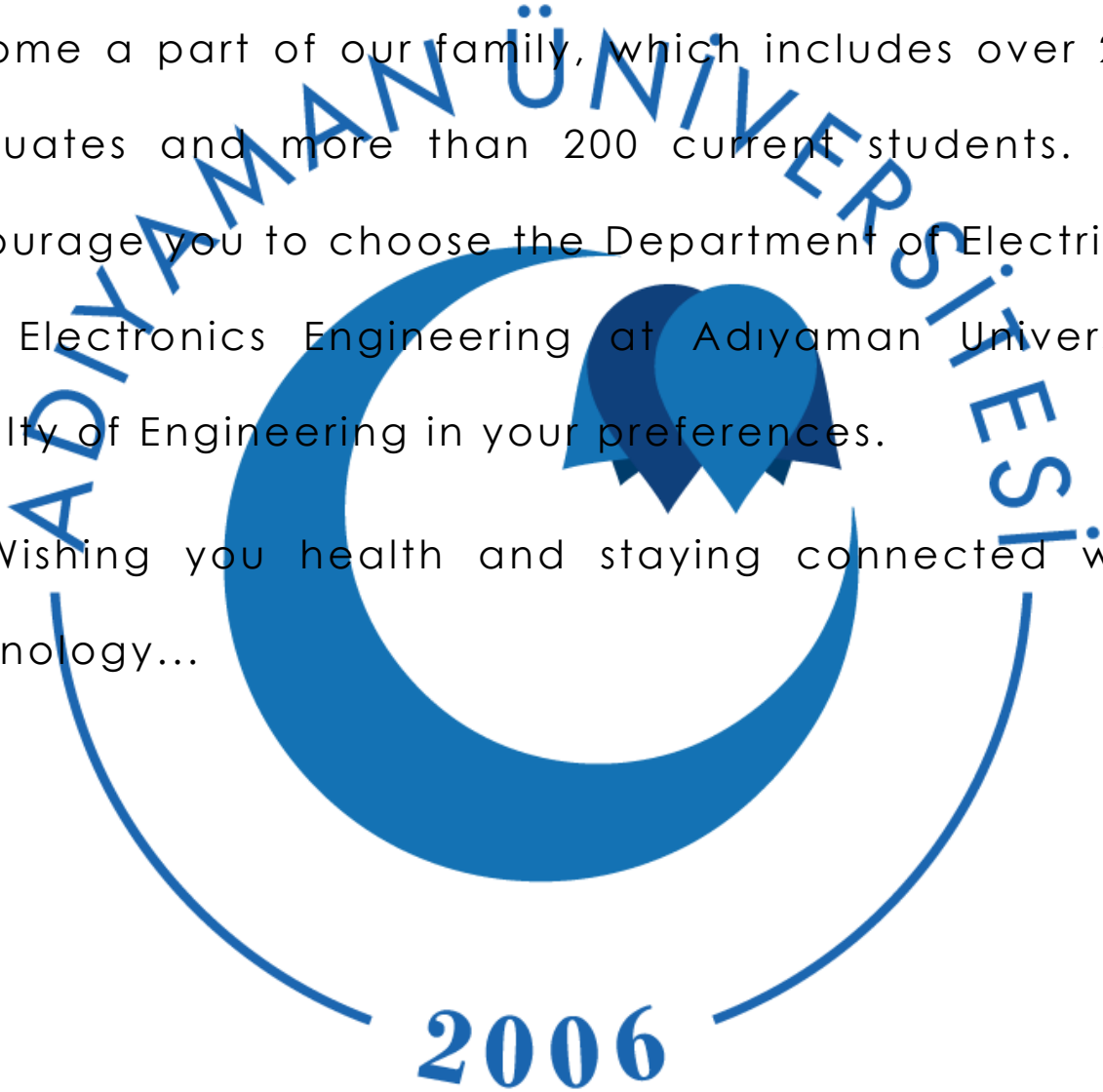
### Engineering

The recent indigenous technological advancements in our country have filled us all with excitement. We witness firsthand what the minds in our country are capable of achieving, and we take pride in it. As the Department of Electrical and Electronics Engineering, we are committed to supporting this momentum. We have updated our department in alignment with the renewed national horizon for your esteemed selves.

Dear Future Leaders, the guarantors of our future; we have established a robust student laboratory infrastructure that befits the times to empower you to become value-adding individuals for our country. We have assembled a team of highly qualified academics.

We invite you to join us on this journey we embarked upon in the 2015-2016 academic year to contribute to our national technological drive. We invite you to become a part of our family, which includes over 200 graduates and more than 200 current students. We encourage you to choose the Department of Electrical and Electronics Engineering at Adiyaman University Faculty of Engineering in your preferences.

Wishing you health and staying connected with technology...



## Career Opportunities for Our Graduates

The electrical and electronics sector encompasses a broad spectrum of technologies (such as energy, electronics, artificial intelligence, software, automotive, defense industry, etc.) and serves as a driving force for nearly all industries. Skilled electrical and electronics engineers who understand, apply, supervise, and innovate these technologies will always be in demand. The Department of Electrical and Electronics Engineering aims to meet the demand for electrical and electronics engineers in both the public and private sectors. In their final year of education, program students will have the opportunity to specialize in their area of interest by taking different elective courses. Graduates of the Department of Electrical and Electronics Engineering can find employment across a wide range of fields depending on their interests, expertise, and personal skills.

## Highest and Lowest Placement Scores Based on Central Placement

According to the results announced by the ÖSYM in 2021, the lowest score for placement in our department was 251.17 points. In the 2022 YKS placement results, the lowest score was 298.85 points, and in the 2023 YKS placement results, the lowest score was 308.33 points. Our department continues its educational activities with approximately 200 students, filling a quota of 30 students.

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# Course Catalog

## 1.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AIT101	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2+0+0	Compulsory	2
EEM103	Introduction to Electrical And Electronics Engineering	2+2+0	Compulsory	5
EEM109	Algorithms and Computer Programming I	2+2+0	Compulsory	5
FIZ101	Physics I	2+0+2	Compulsory	4
KIM101	Chemistry	2+0+2	Compulsory	4
MAT101	Mathematics I	3+1+0	Compulsory	5
TD101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
YD101	FOREIGN LANGUAGE I	2+0+0	Compulsory	3
<b>Total ECTS</b>				<b>30</b>

## 2.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AIT102	Ataturk's Principles and History of Turkish Revolution II	2+0+0	Compulsory	2
EEM112	Algorithms and Computer Programming II	2+2+0	Compulsory	6
EEM114	Computer Aided Design	2+1+0	Compulsory	5
FIZ102	Physics II	2+0+2	Compulsory	4
MAT102	Mathematics II	3+1+0	Compulsory	5
MAT104	Linear Algebra	2+0+0	Compulsory	3
TD102	Turkish Language II	2+0+0	Compulsory	2
YD102	English Language II	2+0+0	Compulsory	3
<b>Total ECTS</b>				<b>30</b>

## 3.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEM201	Circuit Analysis I	4+0+0	Compulsory	6
EEM203	Introduction To Logic Circuits	3+0+0	Compulsory	4
EEM205	Material Knowledge For Electrical Engineering	3+0+0	Compulsory	3
EEM209	Circuit Analysis Laboratory I	0+0+2	Compulsory	3
EEM211	Logic Circuits Laboratory	0+0+2	Compulsory	2
EEM213	Vocational Elective Course 1	3+0+0	Compulsory	3
EEM215	Complex Analysis	3+0+0	Compulsory	4
MUH201	Statistics for Engineers	2+0+0	Compulsory	3
SOSSEC1	Social Elective Course 1	2+0+0	Elective	2
<b>Total ECTS</b>				<b>30</b>

### Course Groups

SOS201	COMMUNICATION	2+0+0	Elective	2
SOS203	ENVIRONMENTAL MANAGEMENT SYSTEMS	2+0+0	Elective	2
SOS205	ECONOMY FOR ENGINEERING	2+0+0	Elective	2
SOS207	CRITICAL ANALYTIC THINKING	2+0+0	Elective	2
SOS209	HISTORY OF SCIENCE	2+0+0	Elective	2
SOS211	VOLUNTEERING WORKS	2+0+0	Elective	2

## 4.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEM200	Internship 1	0+0+0	Compulsory	0
EEM210	Circuit Analysis Laboratory II	0+0+2	Compulsory	2
EEM212	Circuit Analysis II	4+0+0	Compulsory	5
EEM214	Vocational Elective Course II	3+0+0	Compulsory	3

EEM216	Probability Theory For Engineering	3+0+0	Compulsory	3
EEM218	Electromagnetic Field Theory	4+0+0	Compulsory	4
EEM220	Numerical Analysis in Electrical and Electronics Engineering	3+1+0	Compulsory	4
MAT202	Differential Equations	3+0+0	Compulsory	4
MUH204	Occupational Health and Safety	2+0+0	Compulsory	3
SOSSEC2	Social Elective Course 2	2+0+0	Elective	2
			<b>Total ECTS</b>	<b>30</b>

#### Course Groups

SOS202	PUBLIC RELATIONS	2+0+0	Elective	2
SOS204	FIRST AID	2+0+0	Elective	2
SOS206	ENVIRONMENTAL POLLUTION AND CONTROL	2+0+0	Elective	2
SOS208	ARTIFICIAL INTELLIGENCE METHODS	2+0+0	Elective	2
SOS210	RESEARCH AND INVESTIGATION TECHNIQUES	2+0+0	Elective	2

#### 5.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEM301	Analog Electronics	3+0+0	Compulsory	5
EEM303	Electrical Machines I	3+0+0	Compulsory	4
EEM311	Analog Electronics Laboratory	0+0+2	Compulsory	2
EEM313	Electrical Machines Laboratory I	0+0+2	Compulsory	2
EEM315	Signals And Systems	3+0+0	Compulsory	3
EEM317	Introduction To Microprocessors	3+2+0	Compulsory	4
EEM319	Electromagnetic Wave Theory	4+0+0	Compulsory	4
EEMSEC1	VOCATIONAL ELECTIVE COURSE (1 COURSE)	2+1+0	Elective	4
SOSSEC3	Social Elective Courses 3	2+0+0	Elective	2
			<b>Total ECTS</b>	<b>30</b>

#### Course Groups

EEM393	Object Oriented Software	2+1+0	Elective	4
SOS301	PATENT AND INDUSTRIAL DESIGN	2+0+0	Elective	2
SOS303	ENVIRONMENT and ECOLOGY	2+0+0	Elective	2
SOS305	HISTORY of ART	2+0+0	Elective	2
SOS307	SIGN LANGUAGE	2+0+0	Elective	2
SOS309	OPERATIONS RESEARCH	2+0+0	Elective	2
SOS311	ADMINISTRATION OF TECHNOLOGY AND INNOVATION	2+0+0	Elective	2

#### 6.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEM300	Internship 2	0+0+0	Compulsory	0
EEM302	Digital Electronics	3+0+0	Compulsory	4
EEM304	Electrical Machines II	3+0+0	Compulsory	4
EEM306	Control Systems	3+0+0	Compulsory	4
EEM308	Digital Electronics Laboratory	0+0+2	Compulsory	2
EEM312	Power Electronics	3+1+0	Compulsory	4
EEM314	Electrical Machines Laboratory II	0+0+2	Compulsory	2
EEM328	Microcontrollers And Applications	3+2+0	Compulsory	4
EEMSEC2	VOCATIONAL ELECTIVE COURSE (1 COURSE)	3+0+0	Elective	4
SOSSEC4	Social Elective Courses 4	2+0+0	Elective	2
			<b>Total ECTS</b>	<b>30</b>

#### Course Groups

EEM330	Electric Power Quality	3+0+0	Elective	4
EEM332	Safety in Electric Plants	3+0+0	Elective	4
EEM334	Web Based Programming	2+1+0	Elective	4
EEM336	Optoelectronics	3+0+0	Elective	4
EEM338	Nuclear Power Plants	3+0+0	Elective	4
EEM340	Digital Signal Processing	3+0+0	Elective	4

EEM342	Introduction Artificial Neural Networks	3+0+0	Elective	4
EEM344	Digital Communication	3+0+0	Elective	4
SOS302	ENTREPRENEURSHIP	2+0+0	Elective	2
SOS304	AHI COMMUNITY AND PROFESSIONAL ETHICS	2+0+0	Elective	2
SOS306	PRODUCTION PLANNING	2+0+0	Elective	2
SOS308	ERGONOMY	2+0+0	Elective	2
SOS310	CLIMATE CHANGE AND SUSTAINABLE ADMINISTRATION	2+0+0	Elective	2
SOS312	CAREER PLANNING AND DEVELOPMENT	2+0+0	Elective	2
SOS314	INTERNATIONAL RELATIONS	2+0+0	Elective	2

#### 7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEM401	Senior Design Project	0+2+0	Compulsory	2
EEM467	Programmable Logic Controllers	3+0+0	Compulsory	4
EEM469	Electrical Energy Generation	3+0+0	Compulsory	3
EEM471	Electrical Power Transmission And Distribution	3+0+0	Compulsory	3
EEMSEC3	VOCATIONAL ELECTIVE COURSE (4 COURSE)	3+0+0	Elective	16
SOSSEC5	Social Elective Courses 5	2+0+0	Elective	2
<b>Total ECTS</b>				<b>30</b>

#### Course Groups

EEM421	Embedded Systems	3+0+0	Elective	4
EEM423	Medical Electronics	3+0+0	Elective	4
EEM427	Illumination Technic	3+0+0	Elective	4
EEM429	Air Conditioning And Cooling	3+0+0	Elective	4
EEM433	Design Of Analog Integrated Circuits	3+0+0	Elective	4
EEM435	Microwave Circuits	3+0+0	Elective	4
EEM437	Electromagnetic Compatibility	3+0+0	Elective	4
EEM439	High Voltage Techniques	3+0+0	Elective	4
EEM441	Basis Of Biomedical Engineering	3+0+0	Elective	4
EEM449	Electrical Installation Project	3+0+0	Elective	4
EEM451	Non-Linear Circuits And Systems	3+0+0	Elective	4
EEM455	Introduction To Programmable Logic Components	3+0+0	Elective	4
EEM457	Data Communication	3+0+0	Elective	4
EEM461	Wireless Communication	3+0+0	Elective	4
EEM465	Power System Analysis	3+0+0	Elective	4
SOS401	OCCUPATIONAL LAW	2+0+0	Elective	2
SOS403	INTELLECTUAL AND INDUSTRIAL PROPERTY	2+0+0	Elective	2
SOS405	POWER SAVINGS IN INDUSTRY	2+0+0	Elective	2
SOS407	BUSINESS ADMINISTRATION AND MANAGEMENT	2+0+0	Elective	2
SOS409	PLANT ORGANIZATION AND PLANNING	2+0+0	Elective	2
SOS411	PRODUCTIVITY MEASUREMENT AND ANALYSIS	2+0+0	Elective	2
SOS413	RISK MANAGEMENT	2+0+0	Elective	2
SOS415	ENERGY AND ENVIRONMENT	2+0+0	Elective	2

#### 8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEM404	Engineering Adaptation	0+2+0	Compulsory	15
MUHSEC 8	ENGINEERING ELECTIVE COURSES	2+0+0	Elective	15
<b>Total ECTS</b>				<b>30</b>

#### Course Groups

MUH402	Innovation and Product Development	2+0+0	Elective	5
MUH404	Quality Control and Standards	2+0+0	Elective	5
MUH406	Productivity Management	2+0+0	Elective	5
MUH408	Organizational Behavior for Engineers	2+0+0	Elective	5
MUH410	Business Establishment and State Support	2+0+0	Elective	5

## **Our Laboratory Facilities**

We have four laboratories: Basic Electrical-Electronics Laboratory, Digital Electronics Laboratory, Electrical Machines and Power Electronics Laboratory, and Communication and Project Laboratory.

### **Basic Electrical-Electronics Laboratory**

This laboratory conducts Circuit Analysis I and II experiments. It includes 15 workstations, each equipped with a power supply, multimeter, 50 MHz oscilloscope, signal generator, breadboard, and circuit components.

### **Digital Electronics and Microprocessors Laboratory**

Experiments in Introduction to Logic Circuits, Digital Electronics, Analog Electronics, Microcontrollers and Applications are conducted here. It features 15 workstations, each equipped with a power supply, 100



MHz oscilloscope, multimeter, signal generator, breadboard, and circuit components.

### **Electrical Machines and Power Electronics Laboratory**

Laboratory experiments for Electrical Machines I and II are conducted here. It is equipped with Electrical Machines and Control Training Sets.

### **Communication and Project Laboratory**

Students can conduct laboratory experiments and project applications for various courses in this laboratory.



The general overview of the Electrical and Electronics Engineering Department Laboratories

## Classroom Facilities

In our Faculty of Engineering classrooms, we have 1 whiteboard, 1 projector, 1 projector screen, and internet connection available.



Electrical and Electronics Engineering Classrooms

2006

## **Activities of the Electrical and Electronics Engineering Department**

### **Adıyaman University Electronics and Software Society (IEEE Student Society)**

The Adıyaman University Electronics and Software Society encourages students to stay updated on advancements in science and communication technologies. To achieve this, the society organizes seminars and courses delivered by experts in new technologies. It aims to increase interest in electrical-electronics and programming projects and developments, provide technical support in better environments for student development, contribute to learning, expand opportunities, enhance technical knowledge in engineering, support student interaction, provide opportunities for students to showcase their talents, make recommendations to university management, utilize

university resources, and contribute to Adiyaman University's research and project production.



IEEE ADYÜ Introduction Conference

### **Technical Tours and Seminars**

Since our establishment, the university's IEEE Society has organized technical tours to Atatürk Dam, Gaziantep Solartürk company, a practical seminar on grounding measurement at the EMO Gaziantep Branch Training Hall, and a technical tour to a solar power plant covering 50,000 square meters in Doyran village, Adiyaman.

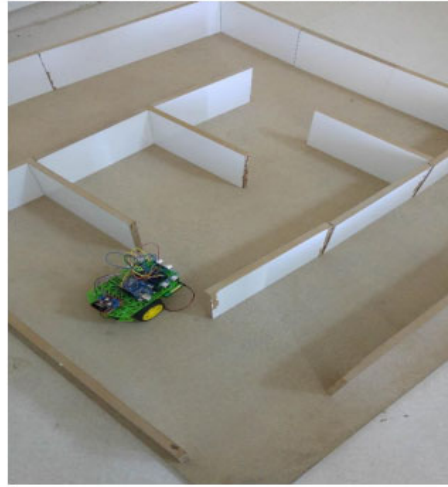
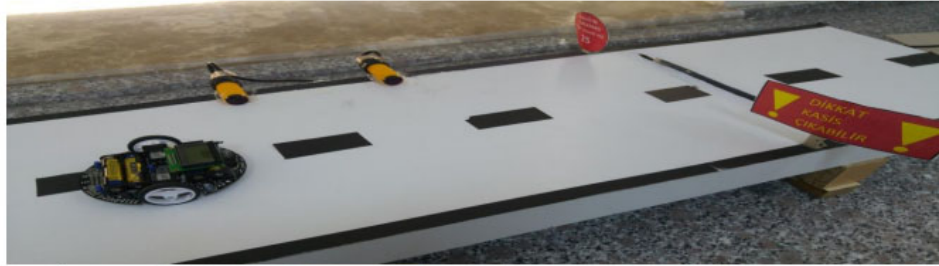


Technical tours organized by the department

### **Other Activities**

In addition to Practical Engineering Education (UME), various activities are organized throughout the semester to transform theoretical knowledge learned by students into practical skills.

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## ERASMUS+ ACTIVITIES

Our department has signed a mutual 7-year education agreement with AGH UST (Krakow, Poland), which ranks between 500-600 in world rankings. Currently, we have bilateral Erasmus + study and internship mobility agreements with the following universities:

Siauliai State College (Lithuania)

Rezekne Academy of Technologies (Latvia)

"1 Decembrie 1978" University of Alba Iulia (Romania)

Universitatea "Constantin Brancuși" din Târgu-Jiu  
(Romania)

The Technical University of Varna (Varna, Bulgaria)

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## PHOTOS



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2006

FACULTY OF ENGINEERING

DEPARTMENT OF ELECTRICAL-ELECTRONICS ENGINEERING

ADIYAMAN ÜNİVERSİTESİ

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ADIYAMAN UNIVERSITY  
FACULTY OF ENGINEERING  
DEPARTMENT OF FOOD  
ENGINEERING

INTRODUCTORY BOOKLET

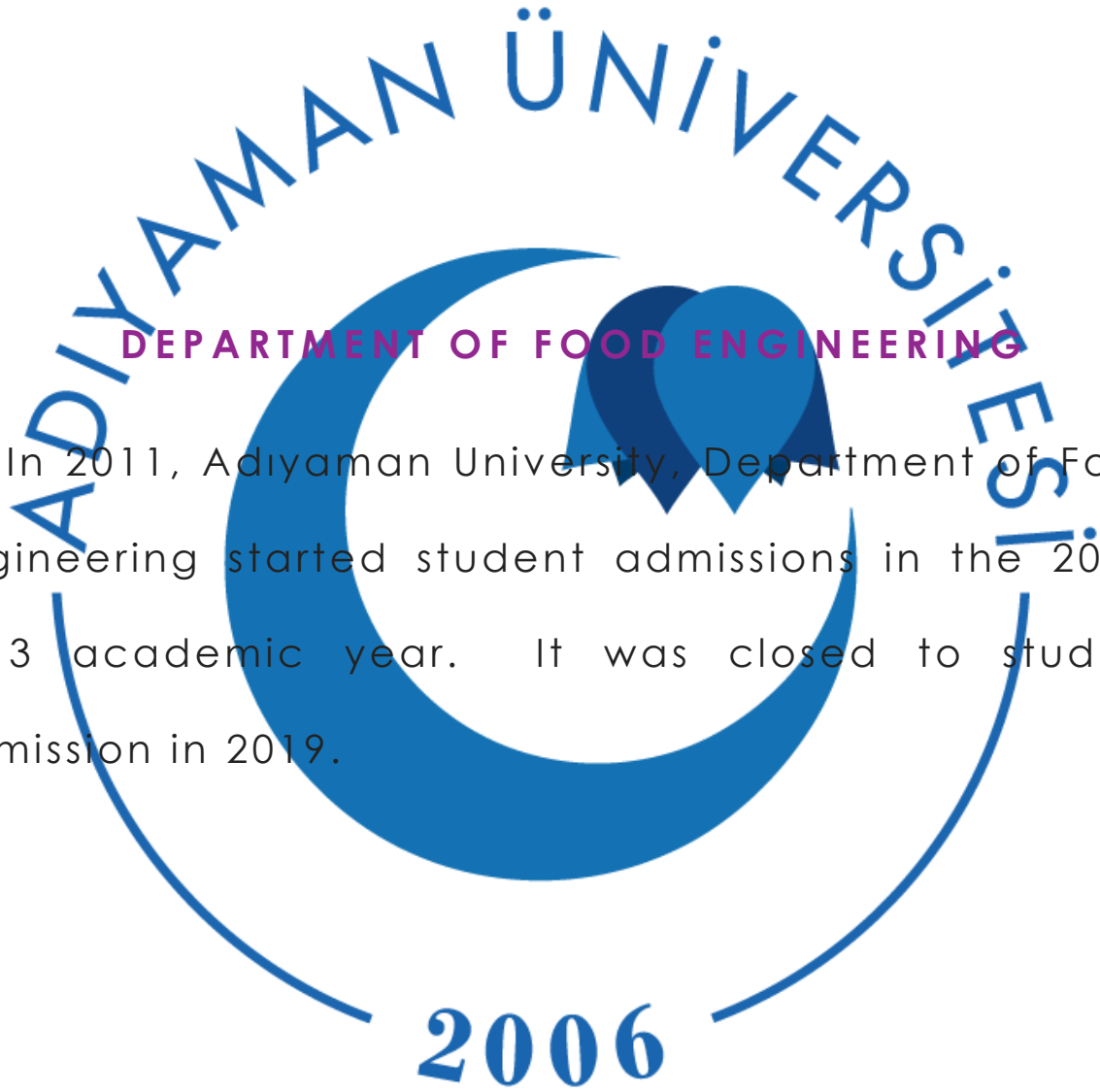
2006

2024-2025

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- Department of Food Engineering
- Mission & Vision
- About Food Engineering
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- Job Opportunities for Graduates
- Highest and Lowest Placement Scores  
According to Central Placement
- Course Catalogue

2006



In 2011, Adiyaman University, Department of Food Engineering started student admissions in the 2012-2013 academic year. It was closed to student admission in 2019.

## Head of Department

Prof. Dr. Şükrü KURT

## Vice Chair

Associate Professor Dr. Miraç UÇKUN

## Academic Staff

### Department of Food Technology

Prof. Dr. Şükrü KURT (Head of the Department of Food Technology)

Research Assistant, PhD, Huriye Gözde CEYLAN

### Department of Food Science

Associate Professor Dr. Miraç UÇKUN (Head of the Department of Food Science)

Assistant Professor Dr. Leyla EREN KARAHAN

## Department Secretary

2006

İrem AKDULUM

- **Mission & Vision**

### **Mission**

The aim of our department is to know the food system well, to examine the effects of the system on human health, environment, social justice and economic development in a realistic and objective manner at the global and local level; Having the necessary academic (technical and technological), social and cognitive knowledge and skills to contribute to the functioning and transformation of the system in line with the sustainable development goals; and to train graduates who can apply these knowledge and skills in the light of current developments in science and technology with innovative and creative methods.

2006

### **Vision**

Food Engineering Department produces the scientific and technological information required for



the ethical operation and transformation of the food system in line with the global and local sustainable development goals, focusing on human health and environment; working to use this information on a national and international scale with a transdisciplinary systematic approach in solving the problems of the age, carrying out the activities (technology transfer, scientific communication) required for the effective use of the information and solutions produced by all stakeholders (private sector, civil society, public) and aims to be a department that actively contributes to the formation of policies affecting the food system

**2006**



### About Food Engineering

Food engineers are engineers who have knowledge and skills in the design, production, safety, and sustainability of healthy, safe, and high quality, value-added foods at all stages from "farm to fork".

## About the Department of Food Engineering

The mission of the Food Engineering Department; to train food engineers equipped with knowledge and skills in food engineering. In addition, it is to conduct scientific research and present its knowledge and experience for the benefit of the food industry and society.

2006

## Job Opportunities for Our Graduate Students

Graduates; in the private sector; can work as project engineers, business engineers, investment specialists, consultants, and quality specialists in food-related businesses. They can work as engineers and managers in the fields of R&D, production, quality assurance, marketing, and import and export of the food industry. Students who complete the program can apply for master's and doctorate degrees in the field of Food Engineering or in other branches of science that accept students from this field. In the public sector of food engineers; There are employment opportunities in the Ministry of Agriculture and Rural Affairs, Ministry of Health, Ministry of Industry and Trade, Turkish Standards Institute, and municipalities.

## Highest and Lowest Placement Scores According to Central Placement

According to the results of the placement announced by the Centre for Assessment, Selection, and Placement in 2017, the students were placed in our department with the lowest score of 242,4855, while the highest score was 288,18069. 6 of the 20 student quotas opened in total have been filled.

According to the results of the placement announced by the Centre for Assessment, Selection and Placement in 2018, the students were placed in our department with the lowest score of 249,54974, while the highest score was 304,29274. 3 of the 15 student quotas opened in total have been filled.

According to the placement results announced by the Centre for Assessment, Selection, and Placement in 2019, a student was placed in our department with a score of 311,34573.

5 students continue their education in our department.

# Course Catalogue

1. Class					
Code	Course Name	ECT S	WCH T+A/C	C/E	La.
<b>First Semester</b>					
AlİT101	Ataturk's Principles and Turkish Revolution I	2	2+0/2	C	T
FİZ101	Physics I	4	2+2/3	C	T
GDM105	Biology	4	2+0/2	C	T
GDM109	Introduction of Food Engineering	6	2+0/2	C	T
KİM101	Chemistry	4	2+2/3	C	T
MAT101	Calculus I	5	3+1/4	C	T
TD101	Turkish I	2	2+0/2	C	T
YD101	Foreign Language I	3	2+0/2	C	T
Fall Semester Total:		<b>30</b>	<b>17+5/20</b>		
<b>Second Semester</b>					
AlİT102	Ataturk's Principles and Turkish Revolution II	2	2+0/2	C	T
ENF102	Basic Information Technologies	5	2+0/2	C	T
FİZ102	Physics II	4	2+2/3	C	T
GDM108	Engineering Drawing with Computer	4	1+2/2	C	T
KİM102	Organic Chemistry	5	3+0/3	C	T
MAT102	Calculus II	5	3+1/4	C	T
TD102	Turkish II	2	2+0/2	C	T
YD102	Foreign Language II	3	2+0/2	C	T
Spring Semester Total:		<b>30</b>	<b>17+5/20</b>		
YEAR TOTAL		<b>60</b>			
2. Class					
Code	Course Name	ECT S	WCH T+A/C	C/E	La.
<b>Third Semester</b>					
GDM203	Engineering Mathematics	4	3+0/3	C	T
GDM205	Mass and Energy Balances	4	3+0/3	C	T
GDM207	General Microbiology	5	2+2/3	C	T
GDM209	Food Chemistry and Biochemistry	5	4+0/4	C	T
GDM211	Engineering Thermodynamics	3	2+0/2	C	T
GDM201	Analytical Chemistry	4	2+2/3	C	T
MUH201	Statistic for Engineering	3	2+0/2	C	T
SOSSEC1	Social Elective Course 1	2	2+0/2	E	T
Fall Semester Total:		<b>30</b>	<b>20+4/22</b>		
<b>Fourth Semester</b>					
GDM200	Internship 1	0	0+0/0	C	T
GDM202	Fluid Mechanics	4	3+0/3	C	T
GDM204	Heat and Mass Transfer	4	3+0/3	C	T
GDM206	Food Microbiology I	5	2+2/3	C	T
GDM208	Reaction Kinetics	3	2+0/2	C	T
GDM212	Instrumental Food Analysis	5	2+2/3	C	T
GDM218	Laboratory Techniques	4	2+2/3	C	T
MUH204	Occupational Health and Safety	3	2+0/2	C	T
SOSSEC2	Social Elective Course 2	2	2+0/2	E	T
Spring Semester Total:		<b>30</b>	<b>18+6/21</b>		
YEAR TOTAL		<b>60</b>			

3. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
<b>Fifth Semester</b>					
GDM301	Food Engineering Unit Operations	5	4+0/4	C	T
GDM303	Food Biotechnology	5	3+0/3	C	T
GDM305	Food Microbiology II	4	2+0/2	C	T
GDM311	Nurtition	4	2+0/2	C	T
GDM313	Food Packaging	4	2+0/2	C	T
GDM315	Fermentation Technology	4	2+0/2	C	T
GDMSEC1	Professional Elective Courses 1	2	2+0/2	E	T
SOSSEC3	Social Elective Courses 3	2	2+0/2	E	T
Fall Semester Total:		<b>30</b>	<b>19+0/19</b>		
<b>Sixth Semester</b>					
GDM300	Internship 2	0	0+0/0	C	T
GDM302	Fruit and Vegetable Processing Technology	5	2+2/3	C	T
GDM304	Cereal Processing Technology	5	2+2/3	C	T
GDM306	Oil Technology	4	3+0/3	C	T
GDM310	Food Additives and Toxicology	4	2+0/2	C	T
GDM324	Hygiene and Sanitation in Food Industry	4	2+0/2	C	T
GDMSEC2	Professional Elective Courses 2	2	2+0/2	E	T
SOSSEC4	Social Elective Courses 4	2	2+0/2	E	T
Spring Semester Total:		<b>30</b>	<b>15+4/17</b>		
YEAR TOTAL:		<b>60</b>			
4. Class					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
<b>Seventh Semester</b>					
GDM403	Meat Science and Technology	5	2+2/3	C	T
GDM405	Dairy Science and Technology	5	2+2/3	C	T
GDM411	Cheese Technology	4	2+0/2	C	T
GDM413	Catering Technology	4	2+0/2	C	T
GDM423	Enzyme Science and Technology	4	2+0/2	C	T
GDM433	Senior Design Project	4	0+2/1	C	T
GDMSEC3	Professional Elective Courses 3	2	2+0/2	E	T
SOSSEC5	Social Elective Courses 5	2	2+0/2	E	T
Fall Semester Total:		<b>30</b>	<b>14+6/17</b>		
<b>Sekizinci Yarıyıl</b>					
GDM404	Engineering Adaptation	15	0+2/1	C	T
GDM406	Product Development	5	2+0/2	C	T
GDM408	Food Projects Preparation Technique	5	2+0/2	C	T
GDM410	Problems and Evaluation of Local Food Business	5	2+0/2	C	T
Fall Semester Total:		<b>30</b>	<b>6+2/7</b>		
YEAR TOTAL:		<b>60</b>			
ECTS TOTAL:		<b>240</b>			
NATIONAL GRADUATION CREDIT:		<b>143</b>			

## Elective Courses

### 2. Class

Code	Course Name	ECTS	WCH T+A/C	C/E	La .
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#### Third Semester

SOS201	Communication	2	2+0/2	E	T
SOS203	Environmental Management Systems	2	2+0/2	E	T
SOS205	Engineering Economy	2	2+0/2	E	T
SOS207	Critical Analytic Thinking	2	2+0/2	E	T
SOS209	History of Science	2	2+0/2	E	T
SOS211	Volunteering Work	2	2+0/2	E	T

#### Fourth Semester

SOS202	Public Relations	2	2+0/2	E	T
SOS204	First Aid	2	2+0/2	E	T
SOS206	Environmental Pollution and Control	2	2+0/2	E	T
SOS208	Artificial Intelligence Methods	2	2+0/2	E	T
SOS210	Research and Investigation Techniques	2	2+0/2	E	T

### 3. Class

Code	Course Name	ECTS	WCH T+A/C	C/E	La .
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#### Fifth Semester

GDM317	Cold Technique and Storage	2	2+0/2	E	T
GDM319	Food and Business Ethics	2	2+0/2	E	T
GDM321	Quality Control and Legislation	2	2+0/2	E	T
GDM323	Material Science	2	2+0/2	E	T
GDM325	Food Preservation Techniques	2	2+0/2	E	T
SOS301	Patents and Industrial Designs	2	2+0/2	E	T
SOS303	Environment and Ecology	2	2+0/2	E	T
SOS305	History of Art	2	2+0/2	E	T
SOS307	Sign Language	2	2+0/2	E	T
SOS309	Operational Research	2	2+0/2	E	T
SOS311	Technology and Innovation Management	2	2+0/2	E	T

#### Sixth Semester

GDM308	Research Methods and Techniques	2	2+0/2	E	T
GDM312	Food Quality and Safety Systems	2	2+0/2	E	T
GDM314	Special Food Technology	2	2+0/2	E	T
GDM316	Industrial Microbiology	2	2+0/2	E	T
GDM318	Food Machinery and Equipment	2	2+0/2	E	T
GDM320	Food Reology	2	2+0/2	E	T
GDM322	Sensory Analysis Techniques	2	2+0/2	E	T
SOS302	Entrepreneurship	2	2+0/2	E	T
SOS304	Ahi Community and Professional Ethics	2	2+0/2	E	T
SOS306	Production Planning	2	2+0/2	E	T
SOS308	Ergonomics	2	2+0/2	E	T
SOS310	Climate Change and Sustainable Management	2	2+0/2	E	T
SOS312	Career Planning and Development	2	2+0/2	E	T



SOS314	International Relations				
<b>4. Class</b>					
Code	Course Name	ECTS	WCH T+A/C	C/E	La.
<b>Seventh Semester</b>					
GDM407	Design in Food Engineering	2	2+0/2	E	T
GDM409	Aquaculture Processing Technology	2	2+0/2	E	T
GDM417	Poultry Meat Technology	2	2+0/2	E	T
GDM419	Food Economics and Management	2	2+0/2	E	T
GDM421	Sugar and Sugar Products Technology	2	2+0/2	E	T
GDM425	Functional Food Technology	2	2+0/2	E	T
GDM429	Emulsion Technology in Food Production	2	2+0/2	E	T
SOS401	Business Law	2	2+0/2	E	T
SOS403	Intellectual and Industrial Property	2	2+0/2	E	T
SOS405	Energy Conservation in Industry	2	2+0/2	E	T
SOS407	Business Administration and Management	2	2+0/2	E	T
SOS409	Factory Organization and Facility Planning	2	2+0/2	E	T
SOS411	Productivity Measurement and Analysis	2	2+0/2	E	T
SOS413	Project Management	2	2+0/2	E	T
SOS415	Energy and Environment	2	2+0/2	E	T

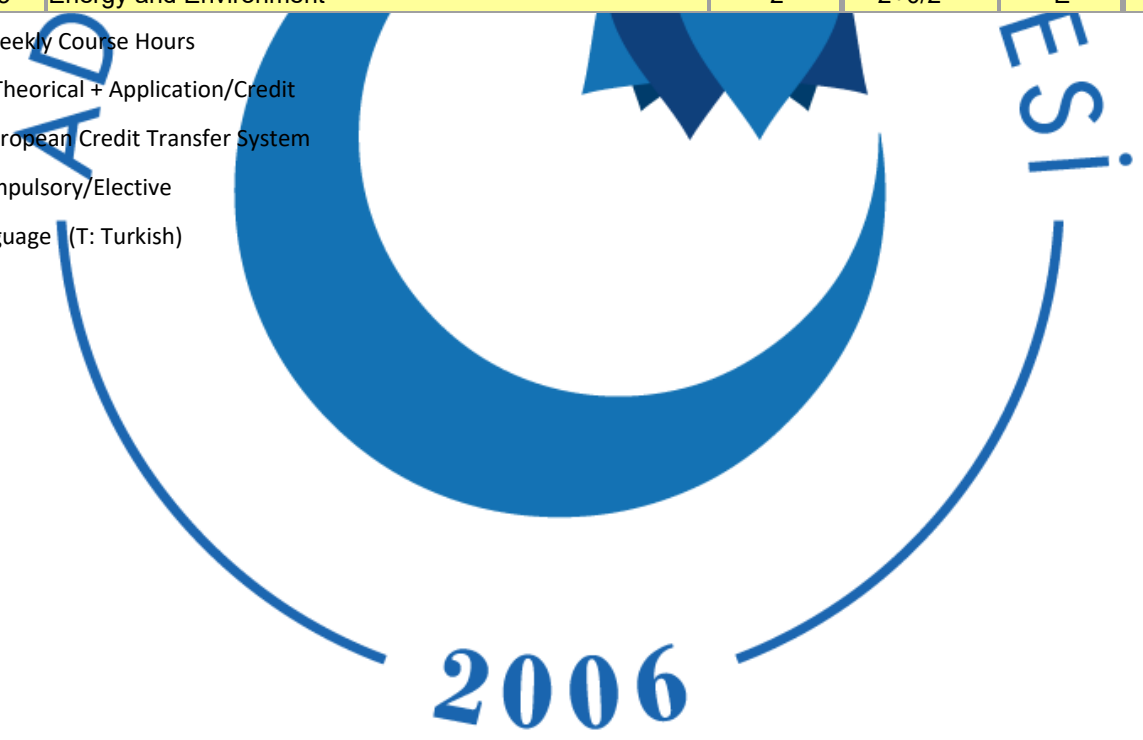
**WCH:** Weekly Course Hours

**T+U/K:** Theoretical + Application/Credit

**ECTS:** European Credit Transfer System

**C/E:** Compulsory/Elective

**La.:** Language (T: Turkish)







ADIYAMAN UNIVERSITY  
FACULTY OF ENGINEERING  
DEPARTMENT OF CIVIL  
ENGINEERING  
DESCRIPTION BOOKLET

2006

2024-2025

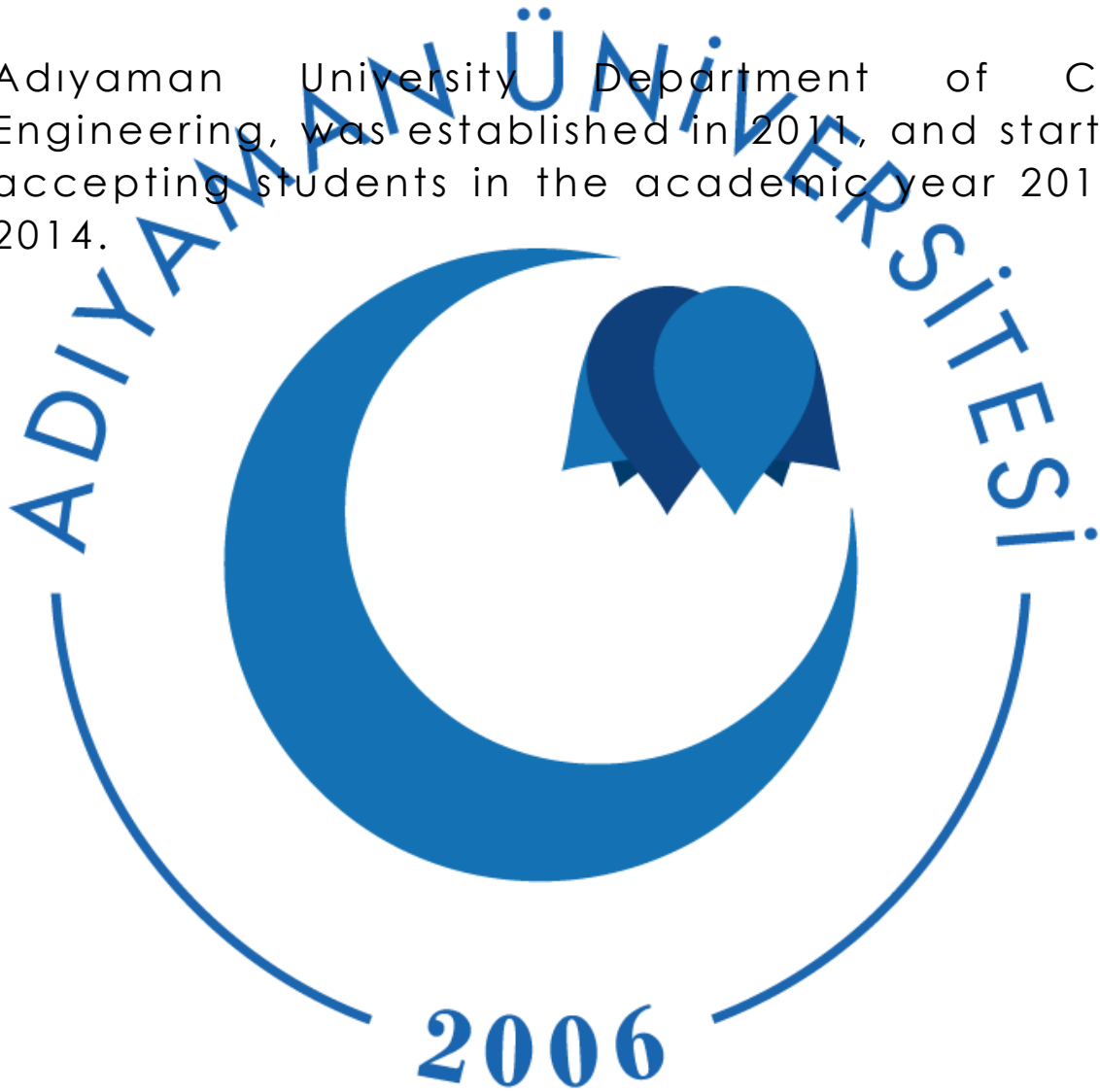
## CONTENTS

- Department of Civil Engineering
- Mission & Vision
- Importance of Department of Civil Engineering
- Why Department of Civil Engineering?
- Job Opportunities for Graduates
- Highest and Lowest Placement Scores  
According to Central Placement
- Course Catalogue
- Activities

2006

## DEPARTMENT OF CIVIL ENGINEERING

Adiyaman University Department of Civil Engineering, was established in 2011, and started accepting students in the academic year 2013 - 2014.



## Head of Department

Prof. Dr. Murat PALA

## Vice Chair

Assist. Prof. Dr. Zeyneb KILIÇ

## Academic Staff

### Department of Structure

Prof. Dr. Murat PALA

Assist. Prof. Dr. İsmail ÜNSAL

Rsc. Asst. Betül KARACALI

### Department of Mechanics

Assoc. Prof. Dr. Mehmet Fatih ŞAHAN

### Department of Geotechnics

Assoc. Prof. Dr. Mehmet SÖYLEMEZ

### Department of Construction Materials

Prof. Dr. Osman GÜNAYDIN

### Department of Hydraulics

Assist. Prof. Dr. Zeyneb KILIÇ

Assist. Prof. Dr. Musa EŞİT

### Department of Construction Management

### Department of Transportation

Rsc. Asst. Günay TÜMEN

### Department Secretary

Aysel KELEPÇE-İrem AKDULUM

- **Mission & Vision**

**Mission**

To train Civil Engineers who are beneficial to society to be employed in the design, implementation, and development of Civil Engineering related systems in institutions and organizations operating in all national and international environments according to the needs of our country and humanity through the synthesis of mathematics, science and engineering knowledge.

**Vision**

A civil engineering department that educates nationally and internationally recognized engineers with sustainable development, research, and learning awareness in construction environments.

**2006**

## Importance of Departments of Civil Engineering

Civil Engineering offers infrastructure and superstructure projects that shape the Development and change of the world over time for the benefit of humanity. Civil Engineering is becoming more and more important in our world, where the change is exceptionally fast. Civil Engineering is becoming increasingly important in our country where devastating earthquakes occur. Therefore, it is aimed to develop earthquake regulations and to ensure the development and implementation of earthquake-resistant design principles and to inspect them. The need for effective civil engineering projects is increasing due to the rapidly growing urbanization and insufficient infrastructure elements, and the problems caused by rapid population growth. Civil engineering continues to be an engineering field that extends to the future with its structural vision.



## Why is Departments of Civil Engineering?

Civil engineering builds structures from drinking water systems to dams where hydroelectric energy production is made and other power plants and construction of hospitals, tunnels, bridges, railways, ports, and airports parallel with the population growth and developing industry. It designs in a way that is resistant to all-natural disasters, especially earthquakes, and builds with confidence so that society continues to build the future.

## Job Opportunities for Our Graduated Students

The graduates can work for the government in many institutions such as the General Directorate of Highways, State Hydraulic Works, Ministry of Environment and Urbanization, State Railways, Special Provincial Administrations, Municipalities, Universities Construction Affairs Department. While in the private sector, they can work for companies

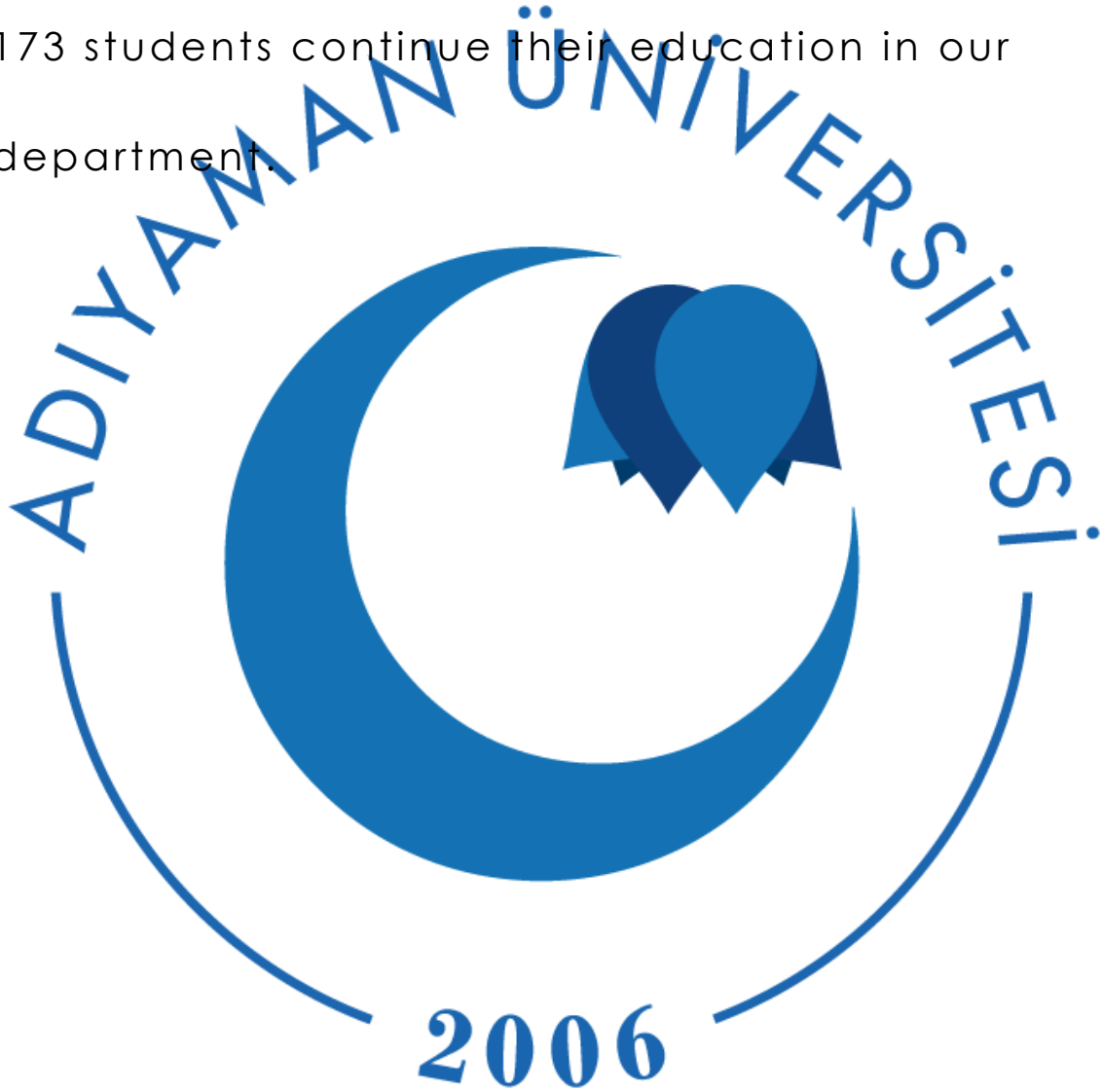
operating in real estate, electricity & electronics, energy, mining, and the metal industry.

## Highest and Lowest Placement Scores According to Central Placement

According to results of ÖSYS placement announces by the Directorate of Assessment, Selection and Placement Center in 2022, the student has been placed in our department with the highest score 325,74690, while the student has been placed with the lowest 305,46593 score. 6 of the 30 student quotas opened in total have been filled. According to results of ÖSYS placement announces by the Directorate of Assessment, Selection and Placement Center in 2023, the student has been placed in our department with the highest score 363,65246,

while the student has been placed with the lowest 312,15839 score. 10 of the 20 student quotas opened in total have been filled.

173 students continue their education in our department.



# Course Catalog

## 1.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
AlİT101	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2+0+0	COMPULSORY	2
FİZ101	PHYSICS I	2+0+2	COMPULSORY	4
İNM101	INTRODUCTION TO CIVIL ENGINEERING	2+0+0	COMPULSORY	4
İNM103	COMPUTER AIDED PROFESSIONAL PICTURE	3+0+1	COMPULSORY	6
KİM101	CHEMISTRY	2+0+2	COMPULSORY	4
MAT101	MATH I	3+1+0	COMPULSORY	5
TD101	TURKISH LANGUAGE I	2+0+0	COMPULSORY	2
YD101	FOREIGN LANGUAGE I	2+0+0	COMPULSORY	3
			Toplam AKTS	30

## 2.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
AlİT102	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2+0+0	COMPULSORY	2
İNM102	CONSTRUCTION GEOLOGY	3+0+0	COMPULSORY	4
İNM104	STATICS	5+0+0	COMPULSORY	6
İNM106	COMPUTER AIDED ARCHITECTURAL PROJECT DRAWING	3+0+1	COMPULSORY	5
MAT102	MATH II	3+1+0	COMPULSORY	5
MAT104	LINEAR ALGEBRA	2+0+0	COMPULSORY	3
TD102	TURKISH LANGUAGE II	2+0+0	COMPULSORY	2
YD102	FOREIGN LANGUAGE II	2+0+0	COMPULSORY	3
			Toplam AKTS	30

## 3.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM201	STRENGTH I	3+0+0	COMPULSORY	4
İNM203	SOIL MECHANICS I	2+1+0	COMPULSORY	4
İNM205	FLUID MECHANICS	3+0+1	COMPULSORY	4
İNM207	CONSTRUCTION MATERIALS	4+0+0	COMPULSORY	4
İNM209	BUILDING INFORMATION	4+0+0	COMPULSORY	5
İNM211	TOPOGRAPHY	3+1+0	COMPULSORY	4
MUH201	STATISTICS FOR ENGINEERS	2+0+0	COMPULSORY	3
SEÇ 1	Social Elective Courses	2+0+0	COMPULSORY	2
			Toplam AKTS	30
SOS201	COMMUNICATION	2+0+0	ELECTIVE	2
SOS203	ENVIRONMENTAL MANAGEMENT SYSTEMS	2+0+0	ELECTIVE	2
SOS205	ECONOMY FOR ENGINEERING	2+0+0	ELECTIVE	2
SOS207	CRITICAL ANALYTIC THINKING	2+0+0	ELECTIVE	2
SOS209	HISTORY OF SCIENCE	2+0+0	ELECTIVE	2
SOS211	VOLUNTEERING WORKS	2+0+0	ELECTIVE	2

#### 4.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM202	STRENGTH II	3+0+0	COMPULSORY	4
İNM204	STRUCTURAL ANALYSIS I	3+0+0	COMPULSORY	3
İNM206	SOIL MECHANICS II	2+1+0	COMPULSORY	4
İNM208	HYDROLOGIC	2+0+1	COMPULSORY	4
İNM210	CONCRETE TECHNOLOGY	3+1+0	COMPULSORY	4
İNM212	PROGRAMMING IN CIVIL ENGINEERING	2+1+0	COMPULSORY	3
İNM214	SUMMER INTERNSHIP I	0+0+0	COMPULSORY	0
MAT202	DIFFERENTIAL EQUATIONS	3+0+0	COMPULSORY	4
MUH204	OCCUPATIONAL HEALTH AND SAFETY	2+0+0	COMPULSORY	2
SEÇ 2	SOCIAL ELECTIVE COURSES	2+0+0	ELECTIVE	2
<b>Toplam AKTS</b>				<b>30</b>

SOS202	PUBLIC RELATIONS	2+0+0	ELECTIVE	2
SOS204	FIRST AID	2+0+0	ELECTIVE	2
SOS206	ENVIRONMENTAL POLLUTION AND ITS CONTROL	2+0+0	ELECTIVE	2
SOS208	ARTIFICIAL INTELLIGENCE METHODS	2+0+0	ELECTIVE	2
SOS210	RESEARCH AND REVIEW TECHNIQUES	2+0+0	ELECTIVE	2

#### 5.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM301	BUILDING STATICS II	3+0+0	COMPULSORY	3
İNM303	CONCRETE I	3+1+1	COMPULSORY	5
İNM305	ROAD ENGINEERING	2+1+0	COMPULSORY	4
İNM307	INTRODUCTION TO STEEL STRUCTURES	4+0+0	COMPULSORY	5
İNM309	WATER SUPPLY AND WASTE WATER	3+0+0	COMPULSORY	5
İNM311	CONSTRUCTION MANAGEMENT	2+0+0	COMPULSORY	3
SEÇ 3	SOCIAL ELECTIVE COURSES	2+0+0	ELECTIVE	2
SEÇ 4	PROFESSIONAL ELECTIVE COURSES	3+0+0	ELECTIVE	3
<b>Toplam AKTS</b>				<b>30</b>

İNM323	WATER RESOURCES	3+0+0	ELECTIVE	3
İNM327	INTRODUCTION TO SOIL LABORATORY TESTS	1+0+2	ELECTIVE	3
İNM329	INTRODUCTION TO BUILDING LABORATORY TESTS	1+0+2	ELECTIVE	3
SOS301	PATENT AND INDUSTRIAL DESIGNS	2+0+0	ELECTIVE	2
SOS311	TECHNOLOGY AND INNOVATION MANAGEMENT	2+0+0	ELECTIVE	2

#### 6.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM302	CONCRETE II	3+1+0	COMPULSORY	6
İNM304	QUANTITY AND EXPLORATION WORKS	4+0+0	COMPULSORY	5
İNM306	INTRODUCTION TO BUILDING DYNAMICS	3+0+0	COMPULSORY	4
İNM308	WATER STRUCTURES	3+0+0	COMPULSORY	4
İNM310	FOUNDATION CONSTRUCTION	3+0+0	COMPULSORY	3
İNM312	SUMMER INTERNSHIP	0+0+0	COMPULSORY	0
SEÇ 5	SOCIAL ELECTIVE COURSES	2+0+0	ELECTIVE	2
SEÇ 6	PROFESSIONAL ELECTIVE COURSES	3+0+0	ELECTIVE	6

				Toplam AKTS	30
İNM322	FLEXIBLE ROAD SUPERSTRUCTURES	3+0+0	ELECTIVE	3	
İNM324	HYDROLOGY	3+0+0	ELECTIVE	3	
İNM328	DAMAGE DETERMINATION IN BUILDINGS	3+0+0	ELECTIVE	3	
İNM330	CONSTRUCTION WORKS AND TENDER LEGISLATION	3+0+0	ELECTIVE	3	
İNM332	DEVELOPMENTS IN BUILDING TECHNIQUES	3+0+0	ELECTIVE	3	
İNM334	INTRODUCTION TO CONCRETE ADDITIVE MATERIALS	3+0+0	ELECTIVE	3	
İNM336	HIGHWAY DESIGN	3+0+0	ELECTIVE	3	
İNM338	INTRODUCTION TO SOIL TREATMENT METHODS	3+0+0	ELECTIVE	3	
İNM340	COMPUTER APPLICATIONS IN BUILDING ANALYSIS	3+0+0	ELECTIVE	3	

#### 7.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM401	EARTHQUAKE RESISTANT STRUCTURE DESIGN	3+0+0	COMPULSORY	5
İNM403	BUILDING COST ANALYSIS	3+0+0	COMPULSORY	3
İNM405	COMPUTER AIDED CONCRETE BUILDING DESIGN	2+1+0	COMPULSORY	4
İNM407	GRADUATION PROJECT	0+2+0	COMPULSORY	4
SEÇ 7	SOCIAL ELECTIVE COURSES	2+0+0	COMPULSORY	2
SEÇ 8	PROFESSIONAL ELECTIVE COURSES	3+0+0	COMPULSORY	12
Toplam AKTS				30

İNM421	COMPUTER AIDED STEEL BUILDING DESIGN	3+0+0	ELECTIVE	3
İNM423	INTRODUCTION TO REPAIR STRENGTHENING IN BUILDINGS	3+0+0	ELECTIVE	3
İNM425	REINFORCED CONCRETE III	3+0+0	ELECTIVE	3
İNM427	PREFABRICATED BUILDINGS	3+0+0	ELECTIVE	3
İNM429	DAMS	2+0+0	ELECTIVE	2
İNM431	COST ANALYSIS AND PROGRESS IN CONSTRUCTION WORKS	2+0+0	ELECTIVE	2

#### 8.SEMESTER COURSE PLAN

Course Code	Course Name	T+A+L	Compulsory/Selective	ECTS
İNM402	COMPLIANCE WITH ENGINEERING	0+2+0	COMPULSORY	15
MUHSEC 8	ENGINEERING ELECTIVE COURSE	2+0+0	ELECTIVE	5
MUH402	INNOVATION AND PRODUCT DEVELOPMENT	2+0+0	ELECTIVE	5
MUH404	QUALITY CONTROL AND STANDARDS	2+0+0	ELECTIVE	5
Toplam AKTS				30

T+A+L: Theoretical + Application + Lab  
ECTS: European Credit Transfer System

2006

## Activities

Civil Engineering Department regularly organizes the event "One of Us". The scope of this activity ensures that the experiences of engineers who have graduated and have already reached a certain level of knowledge are transferred to current students. Opportunities are provided for students to participate in the DASK Earthquake Resistant Building Design Competition. Opportunities are provided for students to participate in the DE&CO International Steel Bridge Competition

2006







**ADIYAMAN UNIVERSITY**  
**FACULTY OF ENGINEERING**  
**MECHANICAL ENGINEERING**  
**DEPARTMENT**  
**INTRODUCTORY BROCHURE**

**2024-2025**

# CONTENT

- Our Department
- Mission & Vision
- Importance of Mechanical Engineering
- Why Mechanical Engineering
- Job opportunities for our graduates
- Course Catalog
- Our Activities
- Educational Staff
- Classrooms, Labs and Workshops
- Contact us

# OUR DEPARTMENT

The domestic and national breakthroughs our country has made in recent years are exciting. We witness this success with pride as we stand with our faithful and persevering nation. As the Department of Mechanical Engineering, we have improved our standards for the education that the precious young people of our country deserve.

Our young people are the guarantee of our future; we have equipped you with our qualified staff, modern workshops and laboratories to prepare you as individuals who will produce in your working life.

Since the day we opened our doors in the 2015-2016 academic year to contribute to the national technological breakthrough, we have graduated many of our students and brought them to our country as qualified mechanical engineers.

We would like to see you, our precious young people, among us in this educational movement.

Mechanical Engineering Department

Department Head

# MISSION & VISION

The aim of our Faculty is to educate self-confident MACHINERY ENGINEERS who are sensitive to man, society and nature, who understand the place and role of themselves and their profession in the social development, who have acquired professional competence and ethical responsibility, who consider public benefit, who have basic knowledge that can respond to today's technological developments, who can think, who can not only analyze but also synthesize, who have research skills, who can apply their theoretical knowledge in practice. In the field of mechanical engineering, our vision is to be a research and education center that produces knowledge and technology based on the culture and value of universal science and contemporary education and within the framework of the needs of society.

# IMPORTANCE OF MECHANICAL ENGINEERING

Mechanical engineering plays an important role in the design, manufacture, operation, and maintenance of mechanical systems. Mechanical engineers work in many industries (automotive, aerospace, energy, manufacturing, etc.), developing innovative solutions and helping to solve complex problems. They also make important contributions to issues such as sustainable energy sources, environmental protection, and advanced technologies.

# WHY MECHANICAL ENGINEERING

A degree in Mechanical Engineering combines a wide range of disciplines, offering career opportunities in a variety of sectors and allowing you to develop your technical skills. Mechanical engineering graduates can find jobs in the design and manufacture of mechanical systems, automation, aerospace, energy, transportation and more. In this field, students also have the opportunity to develop problem-solving and creative thinking skills while applying various engineering principles. For these reasons, mechanical engineering can be an attractive option for students interested in technology and industrial applications.

# JOB OPPORTUNITIES FOR OUR GRADUATES

There is a wide range of employment opportunities for mechanical engineering graduates. These include automotive, aerospace, energy (including renewable energy), manufacturing, defense, consulting, and research. Mechanical engineers can work in a variety of roles including design, production, operations, maintenance, research and development, sales and marketing. Mechanical engineers can also specialize in areas such as automation, robotics, materials science, and power systems. This further expands their job opportunities. In addition, those with an entrepreneurial spirit may consider career paths such as starting their own business.

# COURSE CATALOG

1. Grade	1. Semester	(KİM101) Chemistry MAK111 Introduction to Mechanical Engineering. (PHYSICS101) PHYSICS I MAK113 Technical Drawing I (MAT101) Mathematics I (AİİT101) Atatürk's Principles and Revolutionary History I (TD101) Turkish Language -I (YD101) Foreign Language-I
	2. Semester	MAK116 Static MAK120 Metrology MAK102 Physics II MAK118 Engineering Drawing II MAT104 Linear Algebra MAT102 Mathematics II AIT102 Atatürk's Principles and Revolutionary History II TD102 Turkish Language II
2. Grade	3. Semester	(MUH201) Statistics for Engineers MAK221 Foundry Technology MAK203 Materials Science (SOS209) History of science (SOS201) Communication MAK225 Computer Aided Manufacturing MAK207 Dynamics MAK205 Strength I MAK217 Manufacturing Processes I
	4. Semester	MAK206 Strength II MAK224 Introduction to alternating and direct current circuits MAK220 Thermodynamics I MUH204 Occupational health and safety MAT202 Differential equations MAK226 Engineering Materials MAK222 Manufacturing Processes II SOS208 Artificial Intelligence Methods SOS210 Research and Review Techniques



3. Grade	5. Semester	MAK321 Fluid Mechanics I MAK323 Machine Elements I MAK319 Thermodynamics II MAK325 Heat Transfer I MAK327 Mechanisms (SOS301) Patent and Industrial Design (SOS311) Technology and Innovation Management MAK329 Machine Laboratory I
	6. Semester	MAK346 Heat Pumps MAK324 Machine Elements II MAK322 Fluid Mechanics II MAK328 Machine Dynamics MAK332 Hydraulic Machines MAK326 Heat transfer II MAK350 Vocational English I
4. Grade	7. Semester	MAK437 Computer Programming MAK404 Adaptation to Engineering MAK435 Computer Aided Engineering Analysis MAK461 Vocational English II MAK451 Introduction to Finite Element Method (SOS403) Intellectual Property (SOS405) Energy Saving in Industry MAK429 Machine Laboratory II MAK431 Graduation Project
	8. Semester	EEM404 Engineering Adaptation MUH402 Innovation and Product Development MUH406 Productivity Management MUH404 Quality Control and Standards

# OUR ACTIVITIES

In our university, which follows an innovative education system, our department has started the "intern engineer" program. For this purpose, in addition to the internship training they receive during 2 summer semesters, our students receive Applied Engineering Education (UME) in the last semester of their education. They gain industry experience while they are still students. During the UME, insurance fees are covered by our university.

We have signed new bilateral education and internship agreements under Erasmus. You can spend up to 10 months for education and 4 months for internship in universities in Europe with which we have an agreement. When you return, you can tell us about the education you received, your ideas are important to us.

# EDUCATIONAL STAFF

Prof. Dr. Refet KARADAĞ

Prof. Dr. Cem ONAT

Prof. Dr. İsmail BOZKURT

Doç Dr. Şerif ÇİTİL

Doç. Dr. Yusuf BAŞOĞUL

Doç. Dr. Münür Sacit HERDEM

Dr. Öğr. Üyesi Kaan Emre ENGİN

Dr. Öğr. Üyesi Ali İhsan KAYA

Arş. Gör. Dr. Taha Tuna GÖKSU

Arş. Gör. Dr. Ekrem TAÇGÜN

Arş. Gör. Dr. Mahmut TANDOĞAN

Arş. Gör. Dr. Ahmet ÇETİN

Arş. Gör. Dr. İrem Cemre TÜRÜ

Arş. Gör. Dr. Mücahit ÖZCAN

Arş. Gör. Dr. Fatih KIRBIYIK

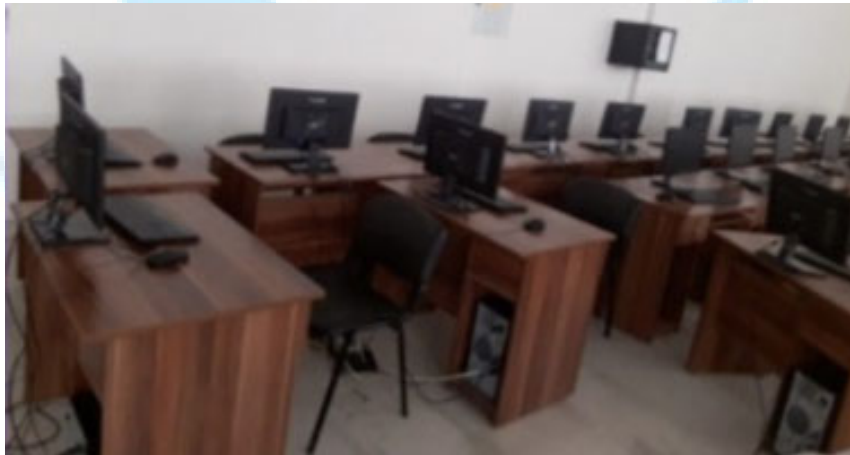
Arş. Gör. Dr. Nurdoğan CEYLAN

# CLASSROOMS, LABS AND WORKSHOPS

## Classrooms;



## Labs;



*Computer Laboratories*



*Thermodynamics and Energy Laboratories*

**Workshops;**



*CNC (Mechanical Workshop)*



*Tensile Test Machine (Mechanical Workshop)*



*Impact Tester and training tool (Construction and Manufacturing Workshop)*

2006

# CONTACT US

Adiyaman University Faculty of Engineering

Mechanical Engineering Department

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Department of Mechanical Engineering

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**E-mail:** conat@adiyaman.edu.t

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<https://muhendislik.adiyaman.edu.tr/tr/bolumler/makine-muhendisligi-bolum>



**FACULTY OF ENGINEERING**  
**DEPARTMENT OF TEXTILE**  
**ENGINEERING**

INTRODUCTORY BOOKLET

2024-2025



# CONTENTS

- Our Department and Academic Staff
- Mission & Vision
- The Importance of Textile Engineering Departments
- Why Textile Engineering?
- Job Opportunities for Graduates
- The Highest and the Lowest Placement Scores According to the Central Placement Results
- Our Course Catalogue
- Our Departmental Activities

## **OUR DEPARTMENT**

Department of Textile Engineering at Adıyaman University was established under the Faculty of Engineering, in 2018, and started accepting students in 2018-2019 academic year. Since 2018, the department has been continuing its activities in Mehmet Erdemođlu Faculty of Architecture building located at Adıyaman University Besni Campus.

### ***Department Head***

Assoc. Prof. Dr. Selçuk POYRAZ

### ***Assistant Department Head***

Asst. Prof. Dr. Sabih OVALI

## **ACADEMIC STAFF**

- ***Division of Textile Technologies***

- Assoc. Prof. Dr. Seval UYANIK
- Asst. Prof. Dr. Pınar PARLAKYİĞİT
- Asst. Prof. Dr. Sabih OVALI

- ***Division of Textile Sciences***

- Assoc. Prof. Dr. Burcu Sancar BEŞEN

- ***Division of Textile Machinery***

- Assoc. Prof. Dr. Selçuk POYRAZ

## **MISSION & VISION**

### ***Mission***

Our mission is both to train engineers, who can work successfully in every field related to the Textile Engineering profession, are equipped with a modern and high quality education, are open to development, have creative ideas and ethical values, are strong in communication and problem solving, and also to present the results obtained from the scientific studies to the service of the textile industry.

### ***Vision***

Our vision is to become a respected and pioneering education and research institution that trains textile engineers, who are experts in the field of Textile Engineering, and who can carry out studies to transform their knowledge into benefit for society and humanity, through our effective and up-to-date education plans given at international level.

# **THE IMPORTANCE OF TEXTILE ENGINEERING DEPARTMENTS**

The textile industry, which is described as "labor-intensive", and plays a role as a locomotive for the economies of "developing countries" including Turkey, economically has a very important place by having ~\$30 billion share in total exports, and also ~6% contribution in total employment. For this reason, being in need of engineers with the knowledge and understanding of both the requirements, and also with the ability to interpret them for the development of the textile industry, reveals the importance of Textile Engineering departments.

## **WHY TEXTILE ENGINEERING?**

According to the data published in the Presidency Uni-Veri information resource, graduates of the department who received the Textile Engineering education, given at 14 state universities in our country; rank 1<sup>st</sup> among those who can find a job in the shortest time (average 4 months 2 days), and 5<sup>th</sup> among those the most employed in the sector (with 67% share).

## **JOB OPPORTUNITIES FOR GRADUATES**

The graduates of Textile Engineering department are employed in the production, planning, process and quality control, research and development (R&D), product development (P&D) and marketing departments of the companies/enterprises/companies/research centers operating in relevant sectors.

## **THE HIGHEST AND THE LOWEST PLACEMENT SCORES ACCORDING TO THE CENTRAL PLACEMENT RESULTS**

According to the central placement results announced by the Presidency of Measurement, Selection and Placement Center (OSYS) in 2021, the students were placed in our department with the highest score of 342,47829, and the lowest score of 255,86053. Two of the 20+1 student quotas opened in total, have been filled. Currently, 46 registered students continue their education in our department.

# OUR COURSE CATALOGUE

## 1. SEMESTER

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
AİİT101	Ataturk's Principles and History of Revolutions I	C	2	0	0	2	2
TD101	Turkish Language I	C	2	0	0	2	2
YD101	English Language I	C	3	0	0	3	3
MAT101	Calculus I	C	3	1	0	4	5
KİM101	Chemistry	C	2	0	2	3	4
FİZ101	Physics I	C	2	0	2	3	4
TLZ101	Introduction to Textile Engineering	C	2	0	0	2	2
TLZ103	Natural Fibers	C	2	1	0	3	3
TLZ105	Technical Drawing I	C	1	2	0	2	3
ENF101	Basics of Information Technologies I	C	2	0	0	2	2
<b>TOTAL</b>			<b>20</b>	<b>4</b>	<b>4</b>	<b>25</b>	<b>30</b>

## 2. SEMESTER

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
AİİT102	Ataturk's Principles and History of Revolutions II	C	2	0	0	2	2
TD102	Turkish Language II	C	2	0	0	2	2
YD102	English Language II	C	3	0	0	3	3
MUH102	Calculus II	C	3	1	0	4	5
MUH104	Physics II	C	2	0	2	3	4
MUH106	Organic Chemistry	C	2	0	1	3	3
TLZ102	Synthetic Fibers	C	2	1	0	3	4
TLZ104	Technical Drawing II	C	1	2	0	2	3
TLZ106	Materials Science	C	2	0	0	2	2
TLZ108	Internship I	C	0	0	0	0	0
ENF102	Basics of Information Technologies II	C	2	0	0	2	2
<b>TOTAL</b>			<b>20</b>	<b>4</b>	<b>3</b>	<b>25</b>	<b>30</b>

### 3. SEMESTER

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
MUH201	Statistics	C	2	0	0	2	3
TLZ201	Machine Elements	C	2	0	0	2	3
TLZ203	Statics	C	2	0	0	2	3
TLZ205	Dynamics	C	2	0	0	2	3
TLZ207	Textile Chemistry	C	1	0	2	2	3
TLZ209	Yarn Spinning Technology	C	2	1	0	3	4
TLZ211	Weaving Technology	C	2	1	0	3	3
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
SOSSEC	Social Elective Course	E	2	0	0	2	2
<b>TOTAL</b>			<b>19</b>	<b>2</b>	<b>2</b>	<b>22</b>	<b>30</b>

### 4. SEMESTER

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
MUH202	Differential Equations	C	3	0	0	3	4
MUH204	Occupational Health and Safety	C	2	0	0	2	3
TLZ202	Strength of Materials	C	2	0	0	2	3
TLZ04	Fluid Mechanics	C	2	0	0	2	3
TLZ206	Knitting Technology	C	2	1	0	3	4
TLZ208	Finishing Technology	C	2	1	0	3	4
TLZ210	Clothing Technology	C	2	1	0	3	4
TLZ212	Internship II	C	0	0	0	0	0
TLS	Professional Elective Course II	E	2	0	0	2	3
SOSSEC	Social Elective Course II	E	2	0	0	2	2
<b>TOTAL</b>			<b>19</b>	<b>3</b>	<b>0</b>	<b>22</b>	<b>30</b>



**5. SEMESTER**

<b>Course Code</b>	<b>Course Name</b>	<b>Type</b>	<b>Theoretical</b>	<b>Practice</b>	<b>Laboratory</b>	<b>Credit</b>	<b>ECTS</b>
TLZ301	Thermodynamics and Heat Transfer	C	2	0	0	2	3
TLZ303	Staple Fiber Spinning	C	2	1	0	3	4
TLZ305	Weaving Preparations	C	1	1	0	2	3
TLZ307	Weaving Construction	C	2	1	0	3	4
TLZ309	Finishing Preparations	C	2	0	2	3	4
TLZ311	Physical Textile Testing	C	2	0	2	3	4
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
SOSSEC	Social Elective Course	E	2	0	0	2	2
<b>TOTAL</b>			<b>17</b>	<b>3</b>	<b>4</b>	<b>22</b>	<b>30</b>

**6. SEMESTER**

<b>Course Code</b>	<b>Course Name</b>	<b>Type</b>	<b>Theoretical</b>	<b>Practice</b>	<b>Laboratory</b>	<b>Credit</b>	<b>ECTS</b>
TLZ302	Long Staple Fiber Spinning	C	2	1	0	3	3
TLZ304	Weaving Machinery	C	2	1	0	3	4
TLZ306	Woven Fabric Analysis	C	1	1	0	2	3
TLZ308	Weft Knitting	C	2	1	0	3	4
TLZ310	Dyeing and Printing Technologies	C	2	0	2	3	4
TLZ312	Chemical Textile Testing	C	2	0	2	3	4
TLZ314	Internship III	C	0	0	0	0	0
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
SOSSEC	Social Elective Course	E	2	0	0	2	2
<b>TOTAL</b>			<b>17</b>	<b>4</b>	<b>4</b>	<b>22</b>	<b>30</b>

### 7. SEMESTER

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
TLZ401	New Yarn Spinning Technologies	C	1	1	0	2	3
TLZ403	Textile Finishing	C	2	0	2	3	4
TLZ405	Nonwoven Technologies	C	2	1	0	3	4
TLZ407	Production and Cost Accounts in Textile	C	3	1	0	4	4
TLZ409	Graduation Project	C	0	2	0	1	4
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
TLS	Professional Elective Course	E	2	0	0	2	3
SOSSEC	Social Elective Course	E	2	0	0	2	2
<b>TOTAL</b>			<b>16</b>	<b>5</b>	<b>2</b>	<b>21</b>	<b>30</b>

### 8. SEMESTER

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
UME402	Adaptation to Engineering	C	0	2	0	1	15
TLZ404	Supply Chain and Marketing in Textile (REMED)	C	2	0	0	2	5
TLZ406	Quality Control and Standards (REMED)	C	2	0	0	2	5
TLZ408	Innovation and Product Development (REMED)	C	2	0	0	2	5
<b>TOTAL</b>			<b>6</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>30</b>

### *Elective Courses*

#### 3. SEMESTER PROFESSIONAL ELECTIVE COURSES

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
TLS201	Polymer Technology	E	2	0	0	2	3
TLS203	Chromatics	E	2	0	0	2	3
TLS205	Textile Industry and Ecology	E	2	0	0	2	3
TLS207	Machine Dynamics	E	2	0	0	2	3
TLS209	Mechatronics	E	2	0	0	2	3

### 3. SEMESTER SOCIAL ELECTIVE COURSES

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
SOS201	Communication	E	2	0	0	2	2
SOS203	Environment Management Systems	E	2	0	0	2	2
SOS205	Engineering Economy	E	2	0	0	2	2
SOS207	Critical Analytic Thinking	E	2	0	0	2	2
SOS209	History of Science	E	2	0	0	2	2
SOS211	Volunteering Study	E	2	0	0	2	2

### 4. SEMESTER PROFESSIONAL ELECTIVE COURSES

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
TLS202	Textile Auxiliaries	E	2	0	0	2	3
TLS204	Electric and Electronics Information	E	2	0	0	2	3
TLS206	Control Systems	E	2	0	0	2	3
TLS208	Mechanism Technique	E	2	0	0	2	3
TLS210	Numerical Analysis	E	2	0	0	2	3

### 4. SEMESTER SOCIAL ELECTIVE COURSES

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
SOS202	Public Relations	E	2	0	0	2	2
SOS204	First Aid	E	2	0	0	2	2
SOS206	Environmental Pollution and Control	E	2	0	0	2	2
SOS208	Artificial Intelligence Methods	E	2	0	0	2	2
SOS210	Research and Investigation Techniques	E	2	0	0	2	2

**5. SEMESTER PROFESSIONAL ELECTIVE COURSES**

<b>Course Code</b>	<b>Course Name</b>	<b>Type</b>	<b>Theoretical</b>	<b>Practice</b>	<b>Laboratory</b>	<b>Credit</b>	<b>ECTS</b>
TLS301	Synthetic Yarn Spinning	E	2	0	0	2	3
TLS303	Work and Time Study	E	2	0	0	2	3
TLS305	Textile Composites	E	2	0	0	2	3
TLS307	Nanotechnology Applications in Textile	E	2	0	0	2	3
TLS309	Professional English I	E	2	0	0	2	3

**5. SEMESTER SOCIAL ELECTIVE COURSES**

<b>Course Code</b>	<b>Course Name</b>	<b>Type</b>	<b>Theoretical</b>	<b>Practice</b>	<b>Laboratory</b>	<b>Credit</b>	<b>ECTS</b>
SOS301	Patent and Industrial Design	E	2	0	0	2	2
SOS303	Environment and Ecology	E	2	0	0	2	2
SOS305	History of Art	E	2	0	0	2	2
SOS307	Sign Language	E	2	0	0	2	2
SOS309	Operations Research	E	2	0	0	2	2
SOS311	Technology and Innovation Management	E	2	0	0	2	2

**6. SEMESTER PROFESSIONAL ELECTIVE COURSES**

<b>Course Code</b>	<b>Course Name</b>	<b>Type</b>	<b>Theoretical</b>	<b>Practice</b>	<b>Laboratory</b>	<b>Credit</b>	<b>ECTS</b>
TLS302	Wool Spinning	E	2	0	0	2	3
TLS304	Warp Knitting	E	2	0	0	2	3
TLS306	Apparel Modeling	E	2	0	0	2	3
TLS308	Organization and Planning in Clothing	E	2	0	0	2	3
TLS310	Sustainability in Textile	E	2	0	0	2	3
TLS312	Professional English II	E	2	0	0	2	3

**6. SEMESTER SOCIAL ELECTIVE COURSES**

<b>Course Code</b>	<b>Course Name</b>	<b>Type</b>	<b>Theoretical</b>	<b>Practice</b>	<b>Laboratory</b>	<b>Credit</b>	<b>ECTS</b>
SOS302	Entrepreneurship	E	2	0	0	2	2
SOS304	Akhism and Professional Ethics	E	2	0	0	2	2
SOS306	Production Planning	E	2	0	0	2	2
SOS308	Ergonomics	E	2	0	0	2	2
SOS310	Climate Change and Sustainable Management	E	2	0	0	2	2
SOS312	Career Planning and Development	E	2	0	0	2	2
SOS314	International Relations	E	2	0	0	2	2

**7. SEMESTER PROFESSIONAL ELECTIVE COURSES**

<b>Course Code</b>	<b>Course Name</b>	<b>Type</b>	<b>Theoretical</b>	<b>Practice</b>	<b>Laboratory</b>	<b>Credit</b>	<b>ECTS</b>
TLS401	Fancy Yarn Spinning	E	2	0	0	2	3
TLS403	Texturing	E	2	0	0	2	3
TLS405	Pile Fabric Technology	E	2	0	0	2	3
TLS407	Knitted Fabric Analysis	E	2	0	0	2	3
TLS409	Coating and Lamination Technologies in Textile	E	2	0	0	2	3
TLS411	Computerized Modeling	E	2	0	0	2	3
TLS413	Fashion and Design	E	2	0	0	2	3
TLS415	Technical Textiles	E	2	0	0	2	3

**7. SEMESTER SOCIAL ELECTIVE COURSES**

<b>Course Code</b>	<b>Course Name</b>	<b>Type</b>	<b>Theoretical</b>	<b>Practice</b>	<b>Laboratory</b>	<b>Credit</b>	<b>ECTS</b>
SOS401	Occupational Law	E	2	0	0	2	2
SOS403	Intellectual and Industrial Property	E	2	0	0	2	2
SOS405	Power Savings in Industry	E	2	0	0	2	2
SOS407	Business Administration and Management	E	2	0	0	2	2
SOS409	Plant Organization and Planning	E	2	0	0	2	2
SOS411	Productivity Measurement and Analysis	E	2	0	0	2	2
SOS413	Risk Management	E	2	0	0	2	2
SOS415	Energy and Environment	E	2	0	0	2	2

## **OUR DEPARTMENTAL ACTIVITIES**

As of the date of its establishment, within the framework of the protocol signed between Adıyaman University (ADYU) and Erdemoğlu Foundation, to students who prefer and enroll to our department; are given non-refundable monthly scholarships of 4000/3000 TL during their education, and summer internship and applied engineering education (AEE) opportunities are also provided in enterprises affiliated to the foundation, while employment is given priority after graduation.

With the opportunities offered within the scope of internship protocols signed with partner enterprises, both internships are offered every summer, and AEE is performed during 8. semester by the students of our department to both become able to respond to the needs of the textile industry, and to gain industrial experience during their education. In addition, within the scope of the Erasmus Student Exchange Program, in order for our students to improve themselves at the international level, they are given the opportunity to be contracted universities in Europe for up to 10 months for education purposes and up to 4 months for internship activities.

Our department, has a total of 6 Organized Industrial Zones, 5 of which are in metropolitan cities (Gaziantep, Kahramanmaraş, Şanlıurfa, Malatya, Diyarbakır) in its close vicinity, and thus, is in a very advantageous location in terms of textile industry. Also, our

department's Advisory Board, which consists of the representatives of partner companies operating in textile sector at Adıyaman, enables an ever increasing and solidifying academia-industry cooperation, as well.

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