



FACULTY OF ENGINEERING
DEPARTMENT OF TEXTILE
ENGINEERING

INTRODUCTORY BOOKLET

2022-2023

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 in 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 in 14 state and 1 private (foundation) universities in our country; rank 1st among those who can find a job in the shortest time (average 4 months 2 days), and 5th 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
TOTAL			20	4	4	25	30

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
TOTAL			20	4	3	25	30

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
TOTAL			19	2	2	22	30

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
TOTAL			19	3	0	22	30

5. SEMESTER

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
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
TOTAL			17	3	4	22	30

6. SEMESTER

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
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
TOTAL			17	4	4	22	30

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
TOTAL			16	5	2	21	30

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
TOTAL			6	2	0	7	30

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

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
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

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
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

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
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

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	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

7. SEMESTER PROFESSIONAL ELECTIVE COURSES

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
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

Course Code	Course Name	Type	Theoretical	Practice	Laboratory	Credit	ECTS
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 2000/1500 TL during their education, and summer internship and applied engineering education (UME) 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 UME 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, both our

academic staffs' active roles in the management and commissions of the Southern Region Branch of the Chamber of Textile Engineers (TMO-GBŞ), and our department's Advisory Board, which consists of the representatives of partner companies operating in the sector at Adıyaman, enables an ever increasing and solidifying academia-industry cooperation, as well.

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

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