



T.C. MERSİN UNIVERSITY  
FACULTY OF ENGINEERING  
CIVIL ENGINEERING

# Overview

- Mersin University Civil Engineering Department was opened in 1992 and continues its education and research activities at both undergraduate and graduate levels. Our department is located in the Faculty of Engineering, Block F.



# Overview

- The language of education in our department is Turkish.
- Students who want to join our department can participate in the undergraduate programme by making a preference as a result of the exam held by ÖSYM.
- Our department started education and training in 2023 by taking 62 students from 60 general and 2 school first quota. Detailed information about our students who make a preference can be found in the Higher Education Programme Atlas.



**YÖK  
ATLAS**



# Our Goal

- The aim of the Department of Civil Engineering is to train civil engineers who have basic engineering knowledge and skills, can produce solutions to engineering problems they encounter, are prone to both individual and team work, adopt lifelong learning and have a sense of professional responsibility.



# Mission and Vision

- Our mission is to educate highly qualified and responsible engineers who are committed to Atatürk's principles, who do not compromise on secularism and Republican principles, who are hardworking, who produce knowledge and technology and use their knowledge for the benefit of all humanity, who are useful to society, who think modern, creative and positive in the light of universal values, who are participatory, productive and represent their country all over the world with the values they create.
- Our vision is to be a department that can create its own resources with the education and training it will provide with its qualified academic staff, the knowledge and technology it will produce, to be a pioneer, modern, creative and positive thinking engineers who contribute technologically and economically to the development of our country, and to be a department that is accepted and appreciated at national and international level in its field, has caught the age and is proud to be a member.

# Civil Engineering

- The word 'mühendis (engineer)' comes from the Arabic word 'hendese', which means geometry (or science), and 'mü-hendese' or 'mühendis (engineer)' in Turkish means knowing geometry, knowing science.
- The engineer is one of the indispensable and most important elements of the industrial society.
- The task of the engineer is to find economic solutions to the needs of the society in line with the existing technology by using the results obtained from scientific research.



# Civil Engineering

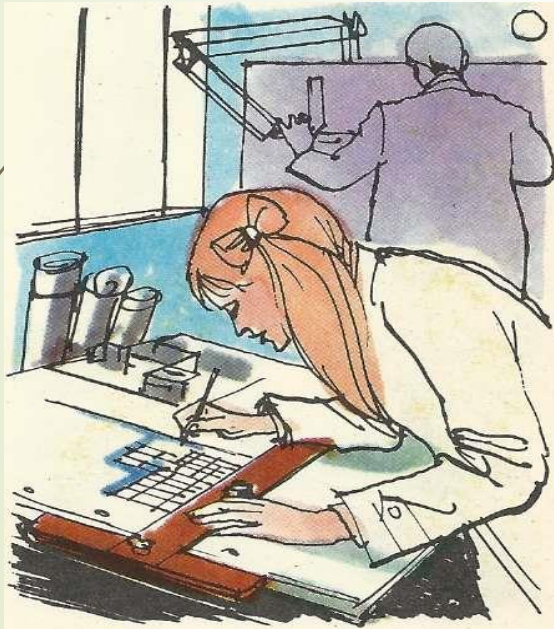
- Civil engineering, which is accepted as the mother of engineering, is the basic engineering branch dealing with the planning, project, construction and supervision of structures by combining materials and techniques in the best way.



- Civil Engineering, which is also defined as ‘Civil Engineering’ because it is the type of engineering that projects and implements the cornerstones of civilisation, is therefore referred to as ‘Civil Engineering’ in English.

# Civil Engineer's Responsibilities

- Contrary to popular belief, civil engineers do not design spaces. If the space design is not directly related to the structural system, it is done by the architect.

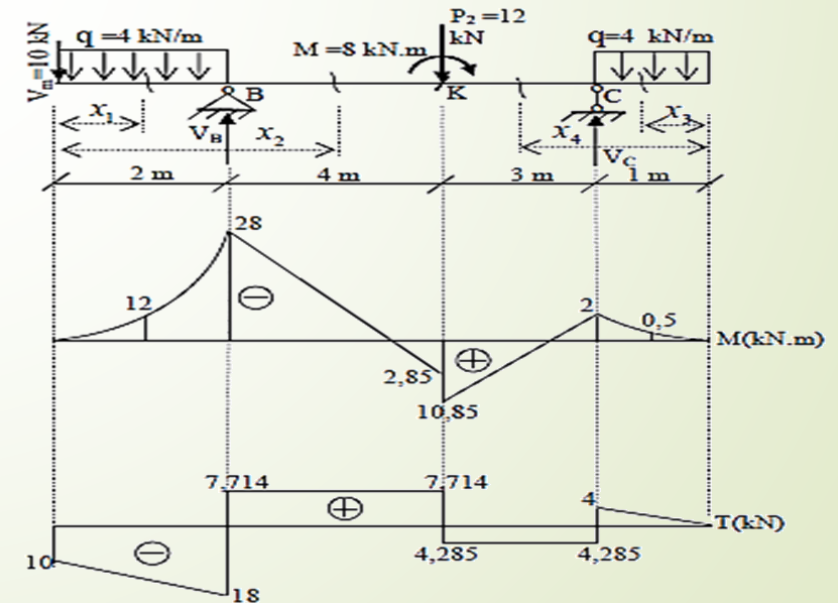


# Civil Engineer's Responsibilities



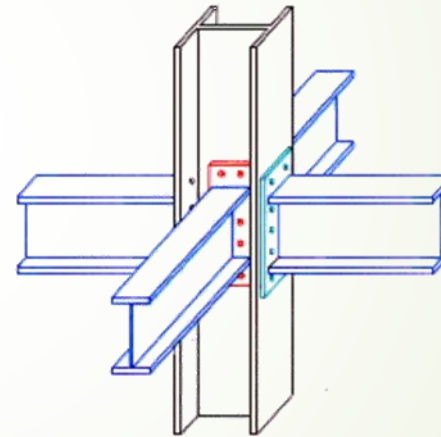
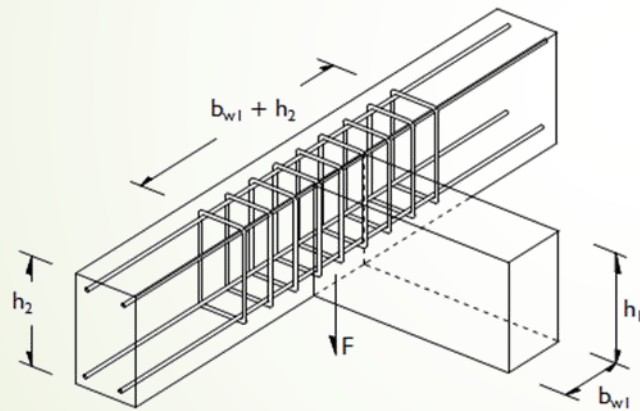
Civil engineers, on the other hand, make static calculations of the structural system of the buildings, taking into account the loads acting on the structure in accordance with the architectural project.

- In cases such as dams, roads, treatment plants, etc., the design is completed by going back and forth between the architect and the engineer several times.



# Civil Engineer's Responsibilities

- According to these static calculations, the design process is started and therefore, the material to be used, column, beam, slab dimensions, reinforcement amount if it is reinforced concrete and profile type if it is steel structure are determined.



- After the preparation of the plans and projects drawn to scale, the construction phase of the building is started.

# Aim of Civil Engineer

- The aim of the civil engineer is to dimension the structure in the most appropriate way for the conditions it will serve. The following points should be taken into consideration while dimensioning:
  - a) The building should be able to fulfil the desired function,
  - b) The structure must be robust (resistant) against external influences,
  - c) The structure should be aesthetic,
  - d) The structure must be economical.



# Fields of Activity

- 1) All infrastructure and superstructures,
- 2) Water transmission lines, sewerage network and water structures such as dams and nuclear, thermal and all kinds of power plants,



# Fields of Activity

- 3) Planning and construction of engineering structures such as bridges, tunnels, airports, harbours, railways, light rail transport systems, highways and viaducts,



# Fields of Activity

- 4) Soil structures, ground investigation and reclamation,
- 5) All kinds of static and dynamic calculations of the structural system of all kinds of buildings, industrial and service structures,
- 6) Special projects such as high-rise buildings, underground and submarine tube passages.



# Fields of Activity

- 7) Damage assessment, repair and strengthening of buildings,
- 8) Inspection of buildings.



# Job Opportunities

- Civil engineering is an important profession that is needed in today's conditions and will be needed in the future.
- In the private sector, civil engineers who can work as engineers at various levels in the offices or construction sites of construction companies in Turkey or abroad can also work as control engineers in building inspection companies or deal with construction and sales works as contractors.
- In addition, they can work as engineers in various public institutions such as Municipalities, Provincial Directorates of Environment and Urbanisation, TCK, TCDD, DSI, Iller Bank or Departments of Construction Works of Universities as well as various ministries such as Transport, Energy or Environment and Urbanisation.



# Our Staff

- In our department, which strengthens the existing academic staff and infrastructure facilities day by day, there are 10 faculty members (5 Professors, 2 Associate Professors and 3 Assistant Professors) and 4 Research Assistants (assistants).
- There is 1 secretary as administrative staff in our department.



# Our Staff

- Prof. Dr. İlker Fatih KARA – Structure Department
- Prof. Dr. Cahit BİLİM – Structure Department
- Prof. Dr. Fatih ÖZCAN – Department of Building Materials
- Prof. Dr. Özgür Lütfi ERTUĞRUL – Department of Geotechnics
- Prof. Dr. Emre AKIN – Department of Mechanics
- Doç. Dr. Murat ÖZEN – Department of Transport
- Doç. Dr. Öğr. Üyesi Tuğçe SEVİL YAMAN – Structure Department
- Dr. Öğr. Üyesi Nazire Göksu SOYDAN OKSAL – Hydraulics Department
- Dr. Öğr. Üyesi Duygu ERTÜRKMEN – Department of Mechanics
- Dr. Öğr. Üyesi Murat Vergi TACİROĞLU – Department of
- Arş. Gör. Furkan İNAL
- Arş. Gör. İsmet VAPUR
- Arş. Gör. Ahmet Can MELLEÇ
- Arş. Gör. Mehmet ALTIN
- Ebru BOYALI– Department Secretary

# Programmes and Departments

➤ In addition to the Civil Engineering undergraduate programme, there are master and doctorate programmes in 7 departments in our department.

1. Department of Structure
2. Department of Mechanics
3. Department of Geotechnics
4. Department of Building Materials
5. Hydraulics Department
6. Department of Transport
7. Department of Construction Management



# Our Laboratory

## ► Our building laboratory



# Our Laboratory

## ► Building materials laboratory



# Our Laboratory

## ► Building materials laboratory



# Our Laboratory

## ► Geotechnical laboratory



# Our Laboratory

## ➤ Geotechnical laboratory



# Internship

- The aim of the internship education is to increase the theoretical knowledge and experience gained by the students of the Department of Civil Engineering during their education period, to increase their professional etiquette and knowledge and to gain experience by making personal practice in related institutions.
- Students are required to do a total of 40 working days of internship in two separate periods, 20 working days 'Construction Site' and 20 working days 'Office'.
- Internships are carried out during the period when there is no education between the end of the spring semester final exams and the beginning of the academic course in the autumn semester.



# Internship

- The work done on a calendar day is calculated as one working day (8 hours) and a week is considered as five working days. In organisations and workplaces that legally work on Saturday, Saturday is accepted as the sixth working day for internship.
- Attendance to the internship is compulsory. In absences exceeding 20% of the internship period without a valid excuse, the internship is considered unsuccessful.
- Only one semester internship can be done in the same workplace.
- There must be a civil engineer in the internship workplaces.



# Workplace Training

- The aim of workplace training is to enable the student to get to know the institutions and organisations related to the field closely, to learn the hierarchical structure, responsibilities, relationships, workplace discipline in these institutions and organisations, to reinforce the knowledge and skills gained during the education and training process, to acquire new knowledge and skills, to develop the ability to work in harmony with other personnel in the working environment, to learn and use new technological products and facilities in the sector.
- Faculty of Engineering and our department have started to implement Workplace Training since 2018-2019 academic year.



# Workplace Training

- Students carry out the workplace training in the autumn and spring semesters of the senior year and if there is no course that requires attendance in that semester.
- Students are obliged to attend the workplace training in accordance with the relevant article of Mersin University Associate and Undergraduate Education and Training Regulations. Students cannot use their absenteeism rights without informing the workplace.
- The duration of workplace training is one semester.
- Students who are evaluated as unsuccessful in workplace training repeat the same or different workplaces if the Subunit Workplace Training Commission deems it appropriate until they are successful.

# Workplace Training Collaborations

- The companies that our department co-operates with for workplace training:
  - Doğa Beton Çimento A.Ş.
  - Medcem Beton Üretim ve Pazarlama A.Ş.
  - Koyuncu Çelik Ltd. Şti.
  - Uzman Yapı Denetim



# Research and Study Topics

➤ Some of the topics that we have been researching and working on in our department:

- Fibre Concretes
- Polymer Concretes
- High Strength Concretes
- Self-Compacting Concretes
- Composite Materials
- Transport Planning
- Transport Modelling
- Earthquake Resistant Building Design
- Structural Effects of Shrinkage and Creep
- Repair and Strengthening of Building Systems
- Design of Shoring Curtains in Deep Excavations
- Fluid Mechanics
- Hydrology
- Water Structures
- Structure Dynamics
- Classification of Steel Structures and Joints
- Structural Engineering
- Experimental investigation of reinforced concrete structural elements
- Construction Project and Construction Management
- Occupational Accidents and Safety in Construction Industry

# Student Information

- Mersin University Civil Engineering Department
  - We have 85 students in first grade,
  - 93 students in 2nd grade 79 students in 3rd grade
  - A total of 408 students, including 100 students in the 4th grade, continue their education.
  - In addition, 44 students continue their master's degree and 10 students continue their doctorate education within our department.

# Erasmus+

- The Erasmus+ programme is a European Union programme to encourage higher education institutions to cooperate with each other. It provides free financial support for higher education institutions to produce and implement joint projects with each other and to carry out short-term student exchanges.
- Our students can participate in Erasmus Student Study Mobility for 1 or 2 study periods. In Erasmus Student Internship Mobility, they can carry out internship activities for at least 2 months and up to 12 months.



# Erasmus+

- In line with the bilateral agreements made by Mersin University, students of the Department of Civil Engineering can study at Politecnico di Bari in Italy and UTP University of Science and Technology in Poland within the scope of Erasmus programme.



Politecnico  
di Bari



# Double Major and Minor

- The double major programme is a single degree programme in which the student successfully completes the requirements of two programmes. It is designed as an opportunity for students to expand their knowledge and capacities by enrolling in a second diploma programme with success in the programme they are enrolled in. Thanks to the double major programme, students who graduate from two diploma programmes have the opportunity to have an advantage in business life by having different skills.
- The minor programme is a type of programme that enables the student to gain knowledge about the department/programme he/she is interested in or feels the need for while successfully continuing the programme he/she is currently enrolled in. In the selected minor programme, the student takes a limited number of courses related to that field and, upon successful completion, receives a certificate indicating the status. The documents and information obtained through the minor programme during the university provide students with an advantage in business life as they gain a different perspective from their colleagues.



# Student Communities

- ‘Student Societies’ are established under the Department of Health, Culture and Sports in order to evaluate the extracurricular time of the students of our university according to their interests, to enable them to gain new interests, to enable them to develop their talents in a healthy way, and to gain regular, disciplined study and entertainment habits together.
  - Our students can become members of societies operating in their fields of interest, take an active role in these societies or participate in the activities of any society without being a member.
  - There are 69 active student societies affiliated to the Department of Health, Culture and Sports of our university.
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# Contact

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