

ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENTAL ORIENTATION PROGRAM

JULY 2026



**ISTANBUL
KÜLTÜR
UNIVERSITY**

Department Introduction Contents

- Academic Staff
- Administrative Staff
- Other Supporting Faculty Members
- Laboratories
- Classrooms and Offices

Academic Staff



Assoc.Prof. Esra Saatçı
Head of Department



**Assist.Prof. Dr.
Berrak Öztürk
Şimşek**
Deputy Head of the Department



**Prof. Dr. Mehmet
Oruç Bilgiç**



**Prof. Dr. Metin
Şengül**



Prof. Dr. Atilla Özmen



**Assist. Prof. Dr.
Ertuğrul Saatçı**



**Assist. Prof. Dr.
Aysam Akses**



**Lecturer
Basri Erdoğan**



**Res.Assist.
Ahmet Can
Tanık**



**Res.Assist. Dr. Umut
Cem Oruçoğlu**



Res.Assist.Mert Hayar



**Res.Assist.Ahmet
Aytuğ Ayrancı**



Res.Assist.Seren Çelik

Administrative Staff



**Lab Technician
Ümit Emen**



**Department Secretary
Büşra Mahmutoglu**

Faculty Members (Other İKÜ Academic Staff)



**Prof. Dr.
Nihal Sarier**



**Doç. Dr.
Gizem Akyol**



**Prof. Dr.
Emel Yavuz**



**Prof. Dr.
Songül Esin**



**Dr. Öğr. Üyesi
İlayda Ülkü**



**Dr. Öğr. Üyesi
Yakup Türkdil**



**Dr. Öğr. Üyesi
Pinar Sarp
Hüseyin**



**Dr. Öğr. Üyesi
Nazife Özge
Fercan**



**Dr. Öğr. Üyesi
Tuğçe Apaydin**



**Öğr. Gör.
Ceren Çilek**



**Öğr. Gör.
İpek Arıkan
Bakır**



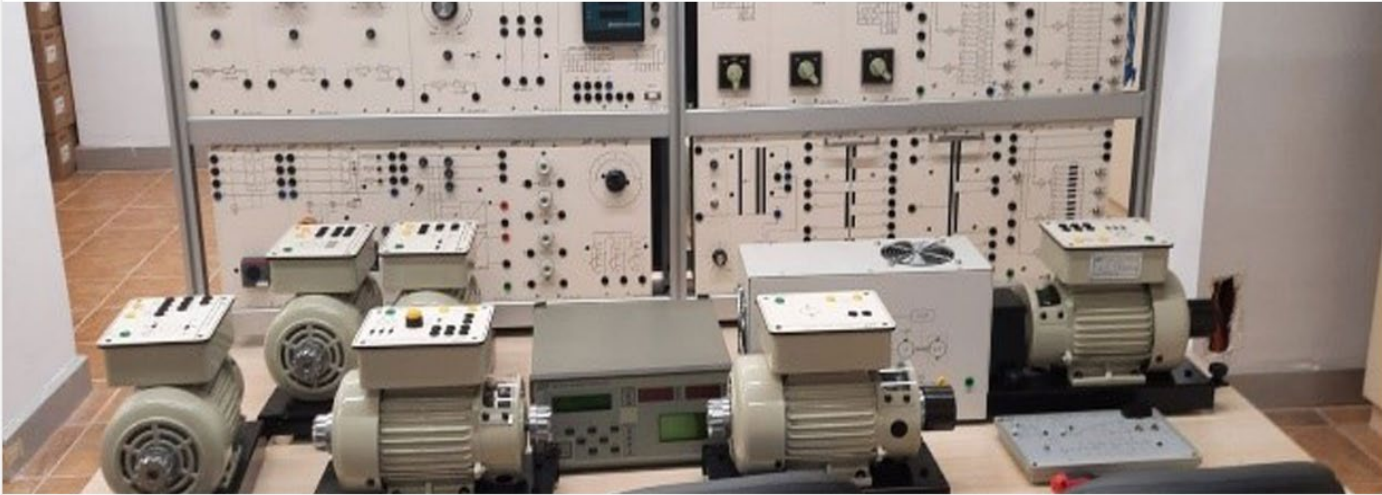
**Öğr. Gör.
Mustafa Taner
Pektaş**

Visiting Faculty Member



**Assoc.Prof.
Mustafa Baysal**

Electrical and Electronics Engineering Laboratory I



Electrical and Electronics Engineering Laboratory II



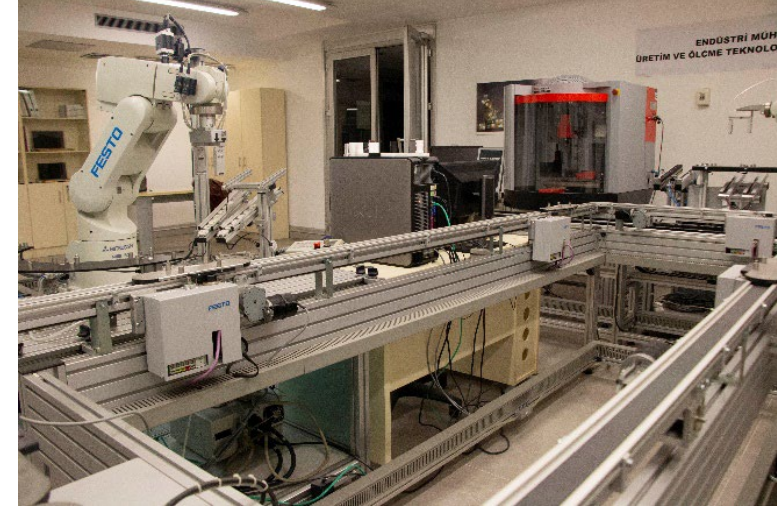
Electrical and Electronics Engineering Laboratory III



Shared Laboratories



Chemistry Laboratory



Production and Measurement Laboratory



Computer Laboratory

Classrooms and Offices

- Teaching will be in one of the lecture classrooms or auditoria lecture classrooms (lecture halls) in Ataköy Campus.
- Academic staff offices are located in Corridor D on the second floor.
- The Faculty of Engineering Dean's Office and the Department Secretariat are located in Corridor A on the second floor.

Education Contents

- Department website
- Educational Aim of the Department
- Program Outcomes
- Program Curriculum and Academic Package
- Academic Calendar
- Rules and Regulations
- Academic Advisors and Mentors

Department Website

← ↻ https://eem.iku.edu.tr/en

Our University ▾ Academic ▾ Student ▾ International Office Alumni Life at IKU ▾ e-University

İSTANBUL KÜLTÜR ÜNİVERSİTESİ 30

ACADEMIC CALENDAR QUICK ACCESS SEARCH Q TR

INFORMATION ▾ STUDENT ▾ STAFF POSTGRADUATE DEPARTMENT INTRODUCTION ▾ CONTACT

ELECTRICAL AND ELECTRONICS ENGINEERING

Electrical and Electronics Engineering

SHORTCUT NEWS

FOR INTERNATIONAL STUDENTS

Admission steps
Apply online ↩

Educational Aim(EA) of the Department

Graduates who have completed this program can immediately start their business life and continue their career as an engineer in companies that make production or information technology infrastructure and / or application. Alternatively, they can plan their careers by continuing their graduate studies.

<https://eem.iku.edu.tr/en/information/aim-department>

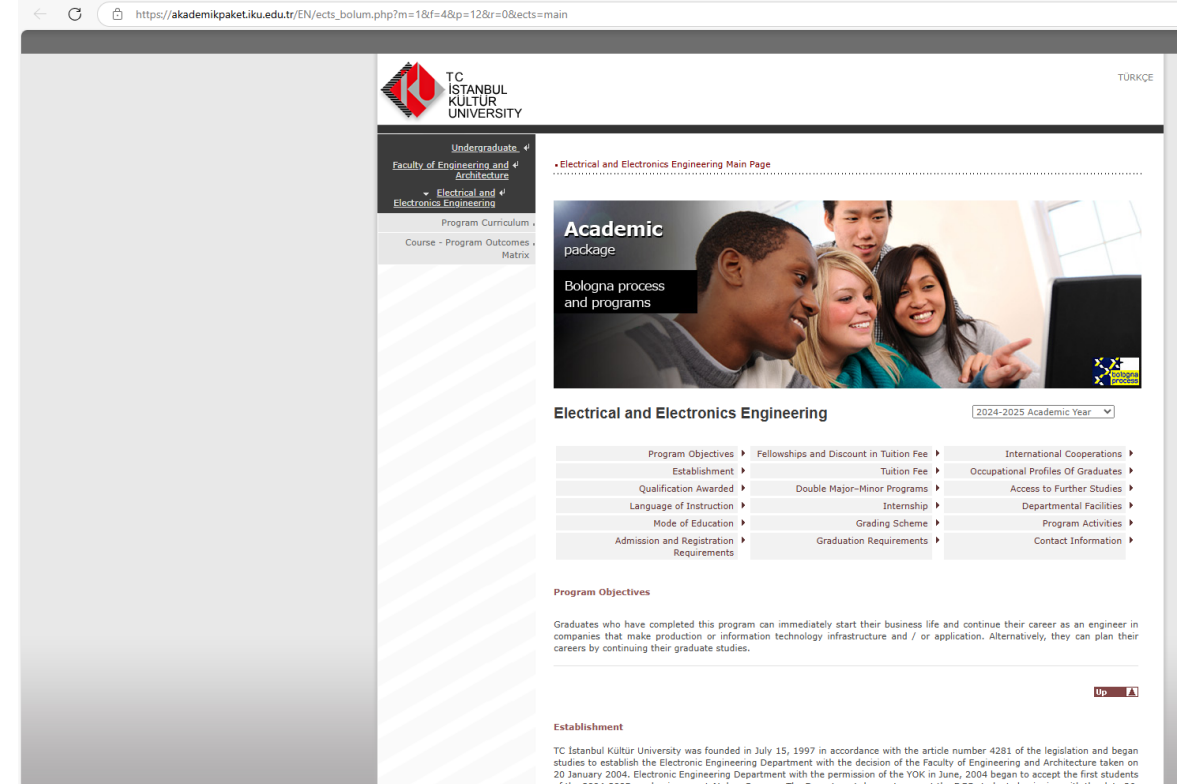
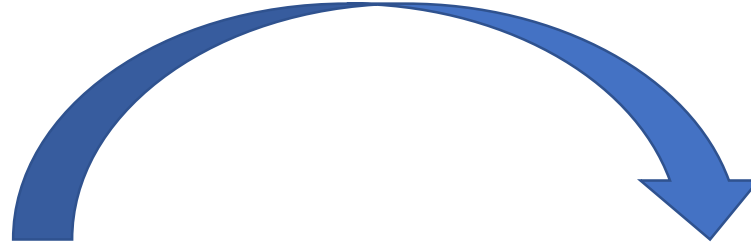
Program Outcomes

- Program outcomes can be viewed at the address below.

<https://eem.iku.edu.tr/en/information/program-outcomes>

Program Curriculum and Academic Package

- The Academic Package, which is accessible through the department website, should be reviewed.
- https://akademikpaket.iku.edu.tr/EN/ects_bolum.php?m=1&f=4&p=12&r=0&ects=main



Program Curriculum

Course types offered in the department:

- Mandatory Courses (CC)
- Non-departmental Mandatory Course (NCC)
- Departmental Elective Courses (DE)
- Non-departmental Elective Courses (EL)

Program Curriculum

Compulsory Summer Internship

- The compulsory internship period is 40 working days.
- Compulsory internships must be completed in two 20-working-day periods during the summers following the fourth and sixth semesters.
- <https://muhf.iku.edu.tr/en/internship>

Program Curriculum

Laboratory Courses and Laboratory Practices

- Laboratory experiments consist of tasks that students are expected to perform independently.
- Before attending the laboratory session, students must read the relevant experiment manual, complete the necessary preliminary preparations, and come to the laboratory fully prepared.
- At the end of the experiment, the results obtained must be presented in the form of a laboratory report prepared in the specified format.

Program Curriculum

Graduation Project

- The graduation project is conducted in two stages.
 - In the 7th term, students engage in the design phase of the project.
 - In the 8th term, they proceed to implement systems, processes, or devices using hardware and/or software.
- You can access all information about student information and the graduation project by following the steps below.

cats.iku.edu.tr → EE ENG STUDENT → Resources → Graduation Projects Documents and Reports

Program Curriculum

Pre-requisite Courses

- During undergraduate studies, students in this department are required to take the theory course and the laboratory course concurrently or to take the theory course before the laboratory course.

Course Code and Title	Prerequisite Course Code and Title	Minimum Required Grade
EE2202 Electric Circuits Laboratory	EE2221 Introduction to Electric Circuits	F
EE3203 Logic Circuits Laboratory	EE3222 Logic Design	F
EE4202 Electronic Circuits I Laboratory	EE4201 Electronic Circuits I	F
EE4402 Telecommunication Laboratory	EE4401 Introduction to Telecommunication	F
EE5202 Electronic Circuits II Laboratory	EE5221 Electronic Circuits II or EE5201 Electronic Circuits II	F
EE0851 Digital Control Systems	EE6030 Introduction to Control Systems, EE0846 Control Systems, or EE0826 Control Systems	D-
EE0891 Graduation Project in Electrical and Electronics Engineering	EE0890 Project Design in Electrical and Electronics Engineering	C

EE0890 ENROLLMENT REQUIREMENT: Successful completion of courses totaling at least 176 ECTS credits.

Academic Calendar

- The academic calendar is a guide that lists the dates and deadlines for academic procedures and applications throughout the academic year.
- <https://www.iku.edu.tr/en/academic-calendar>

Rules and Regulations

- These documents define students' rights and responsibilities and include the regulations, procedures, principles, and policies governing their education at the university.
- <https://www.iku.edu.tr/tr/yonetmelikler>

Academic Advisors and Mentors

- Academic advisors are members of the academic staff whom students consult regarding academic and administrative matters.
- Mentors provide students with advice and guidance concerning their career goals.
- Detailed information can be accessed through the CATS system by following the paths below:
- cats.iku.edu.tr → EE ENG STUDENT → Overview
- cats.iku.edu.tr → EE ENG STUDENT → Resources → Student Advisors and Mentors List

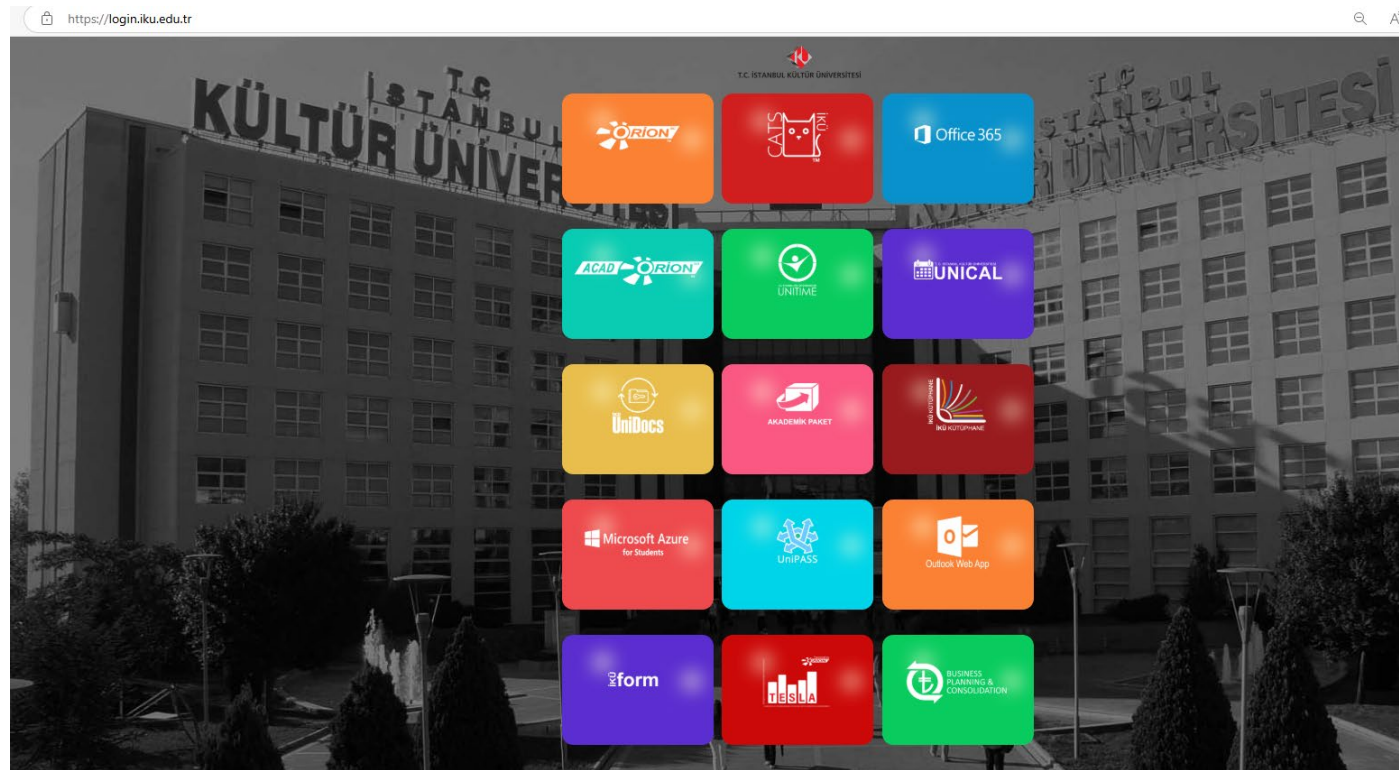
Digital Platforms and Procedures

Students must use their **official university email addresses** for all official communications throughout their studies.

- e-University
- ORION
- CATS
- PUMA

E-University

Access e-University by selecting the e-University option at <https://login.iku.edu.tr/>



ORION



- ORION is the platform used to manage information related to students academic activities, financial accounts, course registrations, examinations, and grades.
- <https://orion.iku.edu.tr/>
- For questions regarding ORION, please contact orion.destek@iku.edu.tr

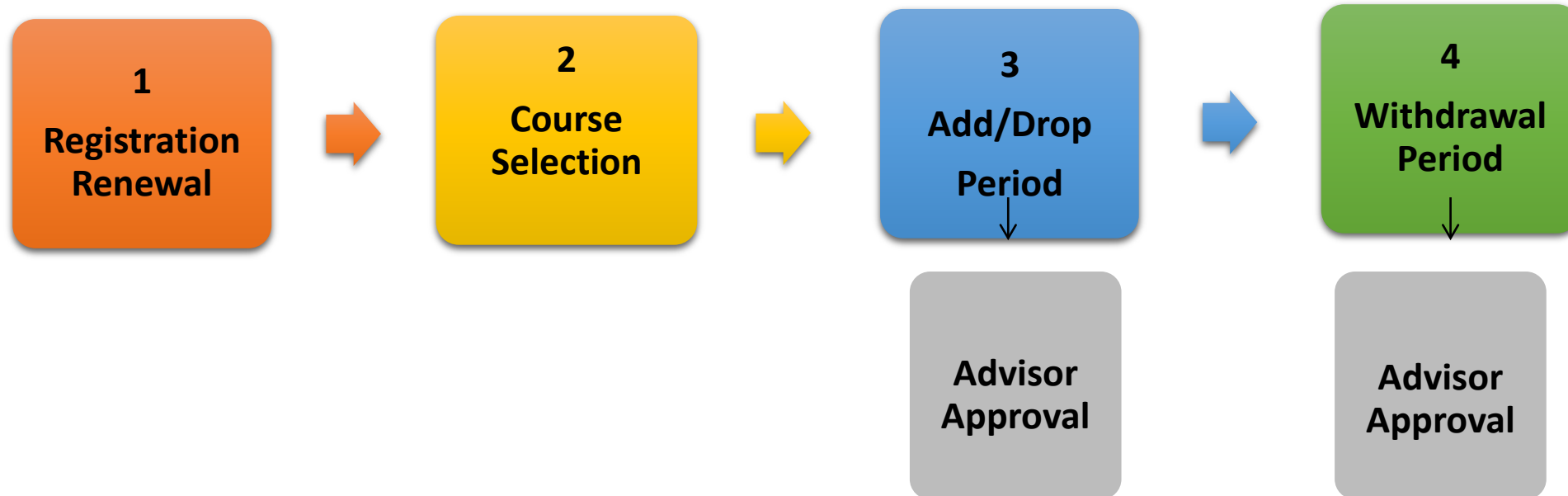
ORION Course Registration Process



ORION course registration procedures are completed through the “Registration Renewal” and “Course Selection” applications.

Course procedures are carried out within the academic calendar; In cases outside the academic calendar, a petition must be submitted to the Student Affairs Department.

- Course procedures are carried out according to the principles in the Undergraduate Regulations.



ORION Course Registration Process



➤ Re-Registration

- Registration renewal must be made every academic semester
- Course selection cannot be made without renewing registration.
- The registered semesters are counted as part of the education period.

➤ Course Selection

- In course selection, courses must be selected according to semester order.
- Prerequisites should be taken into consideration when choosing a course.
- The number of courses taken equals the amount of ECTS for each semester.
- Additional credits for course selection are applied systematically as explained in the Undergraduate Regulations.

ORION Course Registration Process

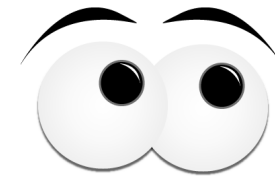


➤ Course Add/Drop

- During the course add or drop process, more than one course can be added and dropped.
- In order to drop a course, the approval of the advisor is required.
- Section change can be made in this application.

➤ Course Withdrawal

- Withdrawal is made from a maximum of 1 course per semester.
- Advisor approval is required for course withdrawal.





- First-year students must take the standard course load during their first two semesters.
- During the first year, compulsory courses cannot be dropped, and students are not permitted to withdraw from any course.

CATS



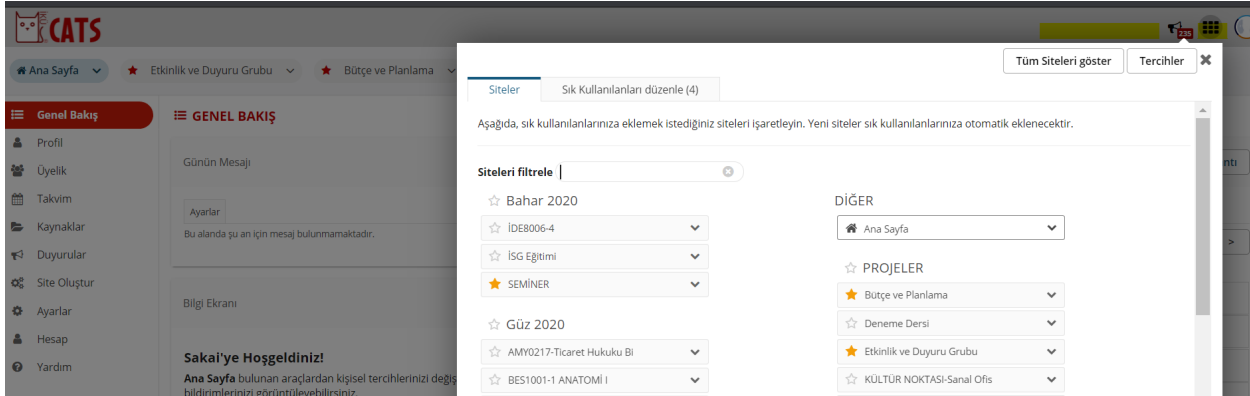
- It is a course management and communication platform.
- <https://cats.iku.edu.tr/>
- For questions related to CATS, you can contact:
Cats_destek@iku.edu.tr

CATS



Courses selected and approved in the Orion system are automatically transferred to the CATS platform.

When you click on the "Show All Sites" button with the grid icon in the upper right corner of the page, the courses for the semesters will be listed. In order for the courses to be added to the home page screen and provided for easy access, the star next to the course name must be activated. It is clicked on the course name, it can access the page for the relevant course.

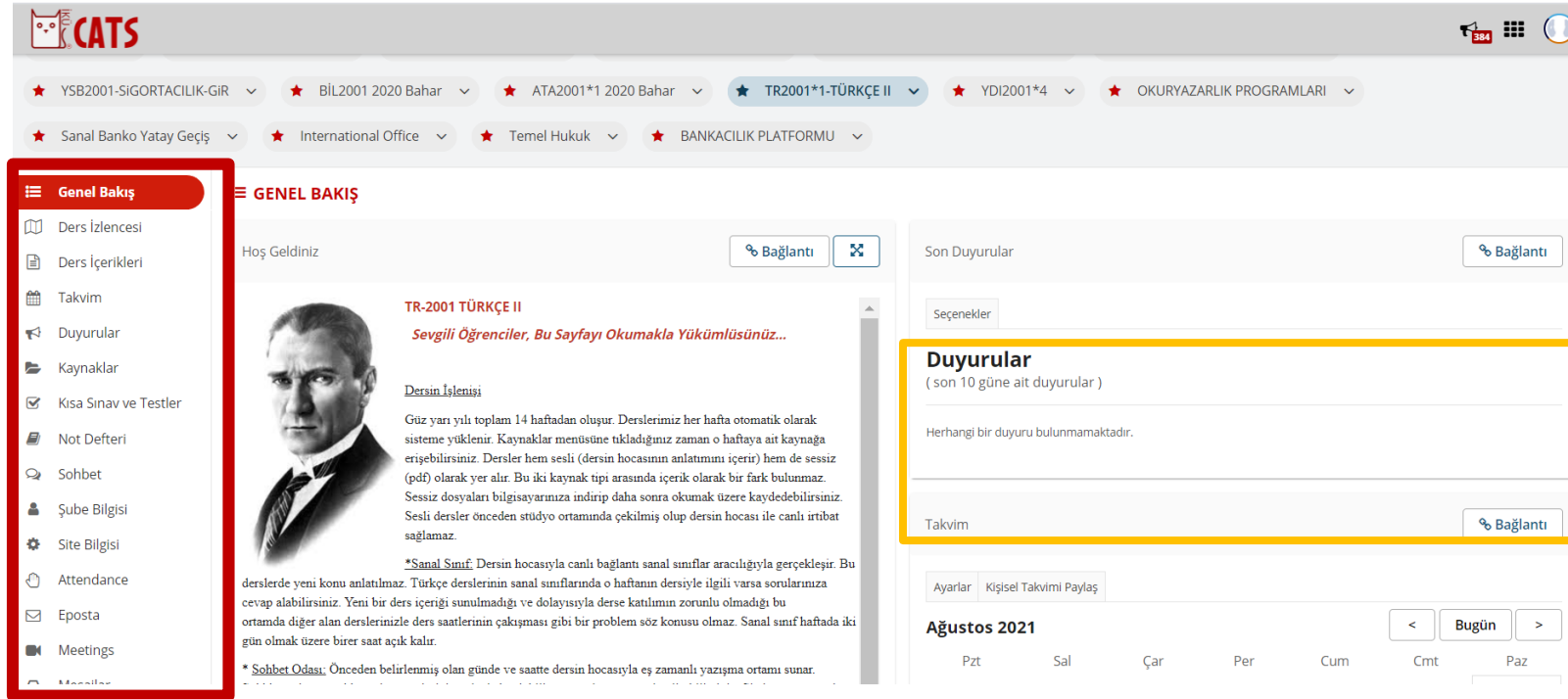


In case the lessons are seen on the CATS platform;
Course instructors or advisors
should be contacted.

It is accessed the relevant pages of the courses it is clicked on the menu on the left side of the page.

Announcements about the courses can be followed in the Announcements section on the course home page.

If the announcement sharing is set to "High Grade" by the course instructor, the announcements are automatically sent to student's e-mail by the system.



The screenshot displays the CATS course home page for the course TR2001*1-TÜRKÇE II. The left sidebar menu is highlighted with a red box and a red arrow pointing to it. The main content area shows the course title, a welcome message, and a section for announcements (Duyurular) which is highlighted with a yellow box and a yellow arrow pointing to it. The bottom section shows a calendar for August 2021.

CATS



By clicking on the “Meetings” button, it is viewed the live lesson page with student's lesson. To join the meeting, click on the dark colored meeting name that is active in the meetings area and press the "Join Meeting" button on the page that opens.

MEETINGS

Toplantılar Kayıtlar

Toplantılar

Hafta 1

Toplantı Detayları

Başlık: Hafta 1

Açıklama: Buraya toplantı hakkında açıklama giriniz

Başlangıç Tarihi: 2021-08-06 13:53:00

Bitiş tarihi: 2021-08-06 14:53:00

Durum: Aktif ([Toplantıya Katıl](#))

Bağlı Kullanıcılar: 0

Kayıtlar: (0 kayıt)

Şlangıç Tarihi	Bitiş Tarihi	Olu
21-08-06 53:00	2021-08-06 14:53:00	Use

Important

Meeting participation can be done on a single device and session at a time. It should be checked that sessions on other devices are closed.

CATS – Virtual Classroom



Recommended system requirements for efficient use of microphone and camera are as follows;

- For computers, (at least) 4G memory and 2+ Ghz processor
- We recommend Google Chrome, Mozilla FireFox or Microsoft Edge. You can also use Safari on Mac OS X, except for the screen sharing feature.
Computers / Laptops: Chrome or Firefox (latest versions)
Mobil iOS (12.2+): Safari
Mobil Android (6.0+) : Chrome
- Your internet should be fast so that it does not cause freezes in the course flow. If you have a low speed internet, it would be more efficient to turn off your camera. You can check your speed at <https://speedtest.net/> .

If you are connecting from an insecure wireless network, you may experience periodic interruptions or gaps in your sound. If you are getting an error during your microphone connection, you can try transferring your phone's internet to your computer (Hotspot).

CATS User Guide



- You can access the detailed presentation about the CATS User Manual by following the steps below:
- <https://cats.iku.edu.tr> → EE ENG STUDENT → Resources → Orientations and Information

PUMA



- **PUMA**

Mobile application



IOS / ANDROID

Platform for tracking
extracurricular activities

- Tasks
- Activities
- Badges

**Ders dışı
her katkının
artık
görünür!**

Mikrokredi ile
kulüp, proje ve
gönüllülük
çalışmalarının
**1 AKTS değerinde
diploma ekine
eklenir.**



T.C.
İSTANBUL
KÜLTÜR
ÜNİVERSİTESİ

ÖĞRENCİ
DEKANLIĞI
KÜLTÜR
NOKTASI

What Is the Microcredit System?

- It is a system that supports extracurricular academic, social, cultural, and voluntary activities.
- It officially records students' meaningful activities.
- It has a participation-based, development-oriented, and sustainable structure.
- It ensures that approved activities are included in the student's Diploma Supplement.

Purpose and Application Requirements

Purpose

- To make students' social and professional development visible alongside their academic achievements.
- To document meaningful activities carried out during university life.
- To encourage participation in student clubs, projects, voluntary activities, and training programs.
- To ensure that students' development remains visible after graduation.

Application Requirements

- Associate and bachelor's degree students must have a GPA of at least 2.00.
- Graduate students must have a GPA of at least 3.00.
- No GPA requirement applies to students in their first semester.
- Students enrolled in English preparatory programs are excluded.
- Applications must be submitted through PUMA at the beginning of the relevant semester.

Credit Allocation and Semester Limit

- Each approved activity is equivalent to 1 ECTS credit.
- Earned ECTS credits are recorded only in the Diploma Supplement.
- Activities do not carry local credits and do not contribute to the GPA.
- They do not directly contribute to graduation requirements.
- A maximum of four activities may be approved per semester, allowing students to earn up to 4 ECTS credits in total.

Assessments and Exams Contents

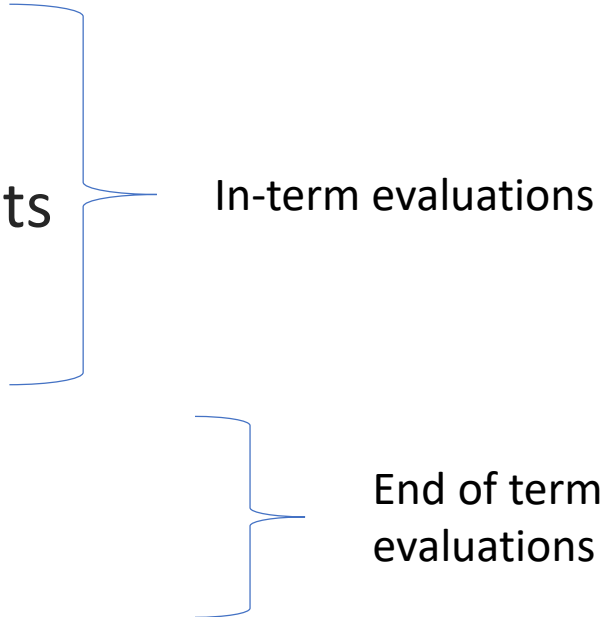
The determining criteria for evaluating course success are given below. These;

- Exams
- Make-up Exams
- Course Grades
- Semester Point Average (SPA) and Grade Point Average (GPA)

The criteria and weights used by each instructor in assessment do not have to be the same.

Assessment of the Course Success

Evaluation Tools

- Midterm exam
 - Quiz
 - Homeworks / Projects
 - Attendance
 - Laboratories
 - Final exam
 - Resit exam
- In-term evaluations
- End of term evaluations
- 

- There may be or there may not be a midterm exam week.
- In some courses, there may be only a project instead of a mid-term exam.

Starting from the Fall 2026 semester, students are required to attend at least 70% of all course sessions. Students who fail to meet this attendance requirement will receive an FD grade for the relevant course.

Exams

- Midterm exam, Make-up exam, Final and Resit exams are planned and organized by the Department and announced in ORION and CATS.
- Except for the graduation project and industry training courses, at least one midterm exam, one final exam and one resit exam are applied for each course. Exam grades are announced in ORION.
- Students who receive C–, D+, D, D–, or F may take the resit examination.
- The highest grade at the end of the respective semester is the final grade of the course.
- Students who fail a course with an FD grade due to insufficient attendance are not eligible to take the final examination for that course.

Exams and Make-up Exam

- In order for the student to take the make-up exam, he/she must have a health report of at least 2 days.
- Students must submit their excuses to the Department Secretariat within three business days following the end of the report period.
- The unit that decides on excuse exams for midterm exams is the department chair.
- Make-up exam program and list of the students are announced.
- There is only one midterm make-up exam for each course.
- Detailed information on the subject can be found in the Undergraduate Regulation.

Exams

Rules to be followed in exams

- The exam must be taken in the designated examination hall.
- You must be in the exam hall at the specified time (the maximum delay time is half an hour).
- You must sit in the exam hall according to the exam seating arrangement.
- Devices such as phones, tablets and computers should be left in the place determined by the invigilator before the exam.
- Talking, whispering and actions that would disrupt the exam order should be avoided.
- The instructions given by the invigilator must be followed.
- Under the Higher Education Institutions Student Disciplinary Regulations, cheating, assisting another student to cheat, or disrupting the examination is a disciplinary offence and may result in suspension for up to two semesters.

Course Grades

Course success grade formation criteria generally consist of five criteria, although percentage rates vary depending on the course.

- Midterm exam grade x (% ?)
- Assignment / Project grade x (% ?)
- Quiz grade x (% ?)
- Final exam grade x (% ?)
- Attendance x (%?)

1. The marks obtained from the five criteria are added together.
2. A grade out of 100 is obtained.
3. This grade is converted into a letter grade.

The criteria and weights used by each faculty member in evaluation do not have to be the same.

For example: A B- can be obtained from a course with an average of 75, and a B can be obtained from a course with an average of 60 in the same semester.

Course Grades

Successful Letter Grades:

A

A-

B+

B

B-

C+

C

Letter grades that can be repeated to
increase GPA:

C-

D+

D

D-

Letter grade that is considered
unsuccessful and requires compulsory
repetition = F

The letter grade assigned for failure due
to insufficient attendance, requiring the
course to be repeated = FD

Course Grades

Objection to Success Grade

- Success grades are announced on ORION within the period specified in the Academic Calendar.
- If it is thought that there is an error in the final grade, a grade objection can be made via the website <https://orion.iku.edu.tr/irj/portal> within the period specified in the Academic Calendar, in order to determine whether there is an evaluation error.
- The outcome of the application for objecting to the success grade is followed up by the Registrar's Office.

Course Grades

Situations Where Repeating Courses is Mandatory

- Courses with FD, F, P and Z grades/symbols must be taken in the first semester they are offered.
- For the course in which an F or FD grade was received, an equivalent elective course can be taken instead of the elective course.
- The elective course taken instead of an F or FD continues to affect the grade card until all elective courses are completed.
- Detailed information is available in the Undergraduate Regulations.

Semester Point Average and Grade Point Average

Term and Year End Success

There are two basic indicators that determine academic success. These are:

- Semester Grade Point Average (SPA)
- General Grade Point Average (GPA)

In calculating GPA, the highest grade obtained in repeated courses is valid.

In calculating SPA, the grade obtained repeatedly in the relevant semester is valid.

Semester Point Average and Grade Point Average

Semester Grade Point Average (SPA)

- It is the total value of the ECTS credits multiplied by the success grades of all the courses taken by the student in the semester they completed, divided by the total credits of the courses taken, excluding the courses with P, Y, Z and exempt courses which are not included in the calculation in the average.

General Grade Point Average (GPA)

- It is the total value of the ECTS credits multiplied by the success grades of all the courses the student has taken, divided by the total credits of the courses taken, excluding the courses with P, Y, Z, which are not included in the average.
- If the GPA falls below a certain level, alone or together with the GPA, it may have negative consequences throughout a student's undergraduate education.

Grade Point Average

Credit Load

- The minimum course load per semester is 17 ECTS credits.
- First-year students have to take the entire semester load.
- Students in their final semester may take fewer than 17 ECTS credits.

At the end of any semester;	
GPA < 2.00	LIKELY TO SUCCEED
GPA >= 2.00	SUCCESSFUL
3.00 <= GPA <= 3.49	HONOUR STUDENT
GPA >= 3.50	HIGH HONOUR STUDENT

Opportunities

- The opportunities offered by IKU EEM Department to its students during their undergraduate education are discussed under four basic headings. These are:
- Double Major / Minor
- Exchange Programs
- Clubs
- Eligibility to Apply for the Integrated Master's Degree Program

Double Major Program

Double Major Program;

- A new section in addition to the section gained in AYT,
- Two diplomas,
- It means two titles.

Detailed information can be found in the Directive on the Principles of Double Major and Minor Programs.

Your GPA and Foreign Language Score will be decisive in your benefit from the Double Major Program.

Minor Program

Minor Program;

- A new section in addition to the section gained in AYT,
- Minor Certificate,
- It means two branches of specialization.
- Detailed information can be found in the Directive on the Principles of Double Major and Minor Programs.

Your GPA and Foreign Language Score will be decisive in your benefit from the Minor Program.

A Detailed Presentation About the Double Major and Minor Programs

- You can access the detailed presentation about the Double Major and Minor programs by following these steps:
- <https://cats.iku.edu.tr> → EE ENG STUDENT → Resources → Orientations and Information

Exchange Program

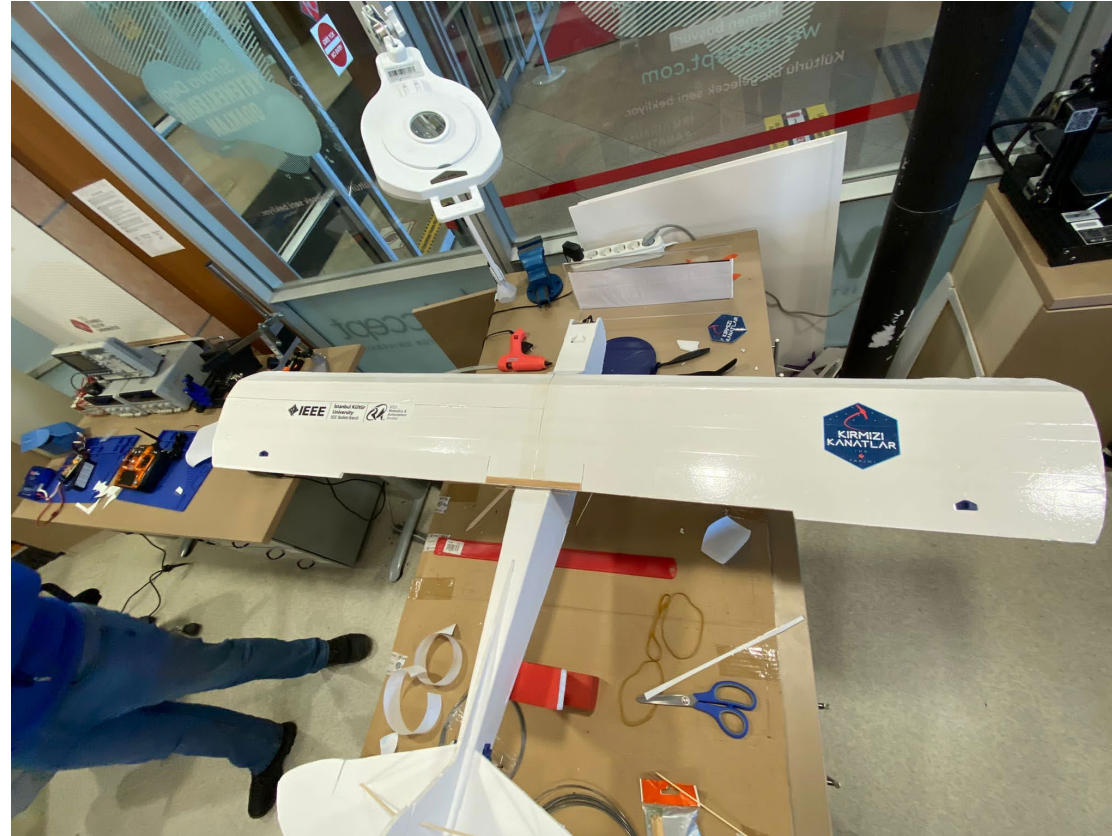
- ERASMUS +, the exchange program owned by IKU EEM Department
- Students will have the opportunity to study abroad for a maximum of 1 year.
- Detailed information can be obtained from the International Relations Unit.
- <https://uib.iku.edu.tr/>

Your GPA and Foreign Language Score will be decisive in taking advantage of this opportunity.

Student Clubs

Click the link below to learn about student clubs and participate in their activities.

<https://kulturnoktasi.iku.edu.tr/tr/ogrenci-kulupleri>



Integrated Master's Degree Program

- Provides students with the opportunity to begin planning their master's education during their undergraduate studies.
- Supports students' early adaptation to postgraduate education.
- Strengthens academic development and research culture.
- Offers a flexible learning model designed to enhance professional competencies.
- Successfully completed courses may be counted toward the master's degree following formal enrollment in the program.
- For detailed information: <https://enstitu.iku.edu.tr/tr/butunlesik-yuksek-lisans-programi>

Graduation

Graduation Requirement

Students who fulfill all the requirements of the Electrical-Electronics Engineering program and have at least 244 ECTS credits, provided that their GPA is 2.00 or higher, are deemed to have met the graduation requirements.

Who Should I Contact? What Should I Do?

I don't know which course I select?	The course contents in the academic package should be reviewed and the academic advisor should be consulted.
There is a problem in ORION.	Consult your academic advisor; there may be an action against the regulations. If there is a problem, the relevant academic advisor directs it to the department key user. For questions related to ORION, you can contact: orion.destek@iku.edu.tr
There is a problem in CATS.	If you cannot see your recorded course, you should go to the course instructor and ask him/her to add it to the course. For other problems, the department web page administrators should be contacted. For questions related to CATS, you can contact: Cats_destek@iku.edu.tr
My courses conflict.	Courses from different semesters may overlap; no improvement can be made in this regard. In mathematics lessons, non-overlapping branches can be followed. It is recommended to take courses that do not conflict with departmental courses.
Additional credits, pre-requisites or SPA, GPA problems	An academic advisor should be consulted, there may be an action against the regulations. If there is a problem, the relevant academic advisor directs it to the department key user.
I want to transfer my courses.	Courses taken at another university can be counted by submitting an exemption petition, transcripts and course contents to the dean's office, but their deadlines in the academic calendar should not be missed.

Who Should I Contact? What Should I Do?

I have questions/problems in course contents, assessments, etc.	The instructor in charge of the course should be consulted.
I have questions related to industry training.	It can be asked to the department internship commission.
I have questions related to graduation project.	It can be asked to the graduation project commission.
Which professional field I should choose? Related courses?	Your mentor should be consulted.
My problems are not solved.	The department head should be consulted.

Who Should I Contact? What Should I Do?

Problems in the password	The password can be renewed at https://unipass.iku.edu.tr/itim/self/jsp/logon/login.jsp For questions related to passwords, you can contact: BST_destek@iku.edu.tr
Applications in ORION	All applications made from ORION must be followed up by the Registrar's Office.
Student accounting problems	All questions regarding payments and contributions should be asked to the Financial Affairs Unit.

Surveys

The surveys used for measurement and evaluation within the scope of MÜDEK Accreditation and quality processes must be filled out accurately and sincerely by students.

Survey types are as follows:

- New Enrollment Student Survey
- Course Evaluation Surveys (Students must fill out each course they take during a semester.)
- Student Satisfaction Survey
- Graduation Project Survey
- Manual Survey on Program Outcomes
- Survey for Prospective Graduating Students

We wish you a successful academic life!

2030

