
	FACULTY OF ENGINEERING COURSE SYLLABUS FORM	Doküman Kodu	MF.FR.003
		Yayın Tarihi	06.09.2024
		Revizyon No	02.07.2025
		Revizyon Tarihi	02
		Gizlilik Sınıfı	Hizmet içi

IUL 151 – INTRODUCTION TO UNIVERSITY LIFE				
Course Code	Course Name			Semester
IUL 151	INTRODUCTION TO UNIVERSITY LIFE			Fall <input checked="" type="checkbox"/> Spring <input type="checkbox"/> Summer <input type="checkbox"/>
Hours			Credit	ECTS
Theory	Practice	Lab	2	2
2	0	0		


Course Details	
Department	Nanotechnology Engineering
Course Language	English
Course Level	Undergraduate <input checked="" type="checkbox"/> Graduate <input type="checkbox"/>
Mode of Delivery	Face to Face <input checked="" type="checkbox"/> Online <input type="checkbox"/> Hybrid <input type="checkbox"/>
Course Type	Compulsory <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
Course Objectives	<p>The objective of this course is to help students effectively transition from high school to university life; introduce academic and personal development tools and university services; strengthen students' sense of belonging to the academic community; introduce the mission, structure, and academic focus of the Nanotechnology Engineering Department; and foster early interest in research, innovation, and career planning within the field of nanotechnology.</p>
Course Content	<p>This course introduces first-year students to university life and the field of nanotechnology. The first half of the course focuses on academic resources, study strategies, personal development, university services, and ethical responsibilities. The second half provides an overview of the Nanotechnology Engineering Department, including its curriculum, research areas, laboratories, and career opportunities. Through lectures, reflections, and interactive sessions, students will gain foundational knowledge and skills for academic success and future career planning.</p>
Course Method/ Techniques	Lecture <input checked="" type="checkbox"/> Question & Answer <input checked="" type="checkbox"/> Presentation <input checked="" type="checkbox"/> Discussion <input checked="" type="checkbox"/>
Prerequisites/ Corequisites	No

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Work Placement(s)	No
Textbook/References/Materials	
<ul style="list-style-type: none"> University Student Handbook (latest edition) "The Secrets of College Success" by Lynn F. Jacobs and Jeremy S. Hyman "Foundations of Nanotechnology" (departmental brochure or internal guide) Academic articles and multimedia resources provided weekly via LMS 	


Course Category			
Mathematics and Basic Sciences	<input type="checkbox"/>	Education	<input checked="" type="checkbox"/>
Engineering	<input checked="" type="checkbox"/>	Science	<input type="checkbox"/>
Engineering Design	<input type="checkbox"/>	Health	<input type="checkbox"/>
Social Sciences	<input type="checkbox"/>	Profession	<input checked="" type="checkbox"/>

Weekly Schedule		
No	Topics	Materials/Notes
1	Welcome & Orientation: University Values and Culture	
2	University Structure: Faculties, Departments, and Administration	
3	Effective Use of Campus Resources: Library, IT, Health, Student Affairs	
4	Time Management and Study Skills	
5	Academic Integrity, Ethics, and Responsibility	
6	Communication Skills and Teamwork in University Settings	
7	Introduction to Research and Scientific Thinking	
8	Midterm (Homework)	
9	Overview of Nanotechnology and Its Importance	
10	Vision and Mission of the Nanotechnology Engineering Department	
11	Curriculum Overview: Core and Elective Courses	
12	Laboratories, Facilities, and Project-Based Learning	
13	Applications of Nanotechnology in Industry and Research	
14	Career Opportunities and Graduate Paths in Nanotechnology	
15	Guest Lecture / Alumni Talk from Nanotechnology Field	
16	Final Exam	

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Assessment Methods and Criteria		
In-term studies	Quantity	Percentage
Attendance	14	10%
Lab		
Practice		
Fieldwork		
Course-specific internship		
Quiz/Studio/Criticize		
Homework	1	40%
Presentation / Seminar		
Project		
Report		
Seminar		
Midterm Exam		
Final Exam	1	50 %
	Total	100%
Contribution of Midterm Studies to Success Grade	50	50
Contribution of End of Semester Studies to Success Grade	50	50
	Total	100%

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration (Hrs)	Total Workload
Course Hours	14	2	28
Lab			
Practice			
Fieldwork			
Course-specific Work Placement			
Out-of-class study time			
Quiz/Studio/Criticize			
Homework	1	10	10
Presentation / Seminar			
Project			
Report			
Midterm Exam and Preparation for Midterm			
Final Exam and Preparation for Final Exam	1	12	12
Total Workload			50
Total Workload / 25			50/25
ECTS Credit			2


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Course Learning Outcomes	
No	Outcome
L1	Navigate university life effectively by using academic and support services.
L2	Apply essential academic skills such as time management, goal setting, and teamwork.
L3	Demonstrate responsibility, self-awareness, and academic integrity.
L4	Understand the structure, goals, and curriculum of the Nanotechnology Engineering Department.
L5	Explore potential career paths and applications in nanotechnology.

Contribution of Course Learning Outcomes to Program Competencies/Outcomes												
<i>Contribution Level: 1: Very Slight, 2: Slight, 3: Moderate, 4: Significant, 5: Very Significant</i>												
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	Total
L1	1	1	0	2	0	2	3	4	3	2	2	20%
L2	2	2	1	2	1	3	3	5	2	2	2	25%
L3	3	3	1	2	1	4	4	4	4	2	2	30%
L4	4	2	1	1	1	2	2	3	3	2	2	23%
L5	3	4	2	2	2	3	3	4	3	3	3	28%
											Total	126

Program Outcomes

- i. Adequate knowledge in mathematics, science and subjects specific to Engineering; ability to use theoretical and applied knowledge in these areas in complex engineering problems.
- ii. Ability to identify, formulate and solve complex engineering problems; ability to select and apply appropriate analysis and modelling methods for this purpose.
- iii. Ability to design a complex system, process, device or product under realistic constraints and conditions to meet specific requirements; ability to apply modern design methods for this purpose.
- iv. Ability to develop, select and use modern techniques and tools required for the analysis and solution of complex problems encountered in engineering practice; ability to use information technologies effectively.
- v. Ability to design and conduct experiments, collect data, analyse and interpret results in order to investigate complex engineering problems or research topics.
- vi. Ability to work effectively in disciplinary and multidisciplinary teams; ability to work individually.
- vii. Ability to communicate effectively in oral and written Turkish; knowledge of at least one foreign language; ability to write effective reports and understand written reports, to prepare design and production reports, to make effective presentations, to give and receive clear and understandable instructions.
- viii. Awareness of the necessity of lifelong learning; the ability to access information, to follow developments in science and technology and to continuously renew oneself
- ix. Acting in accordance with ethical principles, professional and ethical responsibility awareness; knowledge of standards used in engineering applications.

 OSTİM TEKNİK ÜNİVERSİTESİ A N K A R A	FACULTY OF ENGINEERING COURSE SYLLABUS FORM	Doküman Kodu	MF.FR.003
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x. Knowledge about business life practices such as project management, risk management and change management; awareness of entrepreneurship, innovation; knowledge about sustainable development.

xi. Knowledge about the effects of engineering applications on health, environment and safety in universal and social aspects and the problems of the age reflected in the field of engineering; awareness of the legal implications of engineering solutions