

Alanya Alaaddin Keykubat University | Rafet Kayış Faculty of Engineering  
**Genetics and Bioengineering Department**  
 2024-2025 Fall Semester

### Syllabus

<b>Code/Name</b>	GBM111 / Engineering Ethics
<b>Type</b>	Required
<b>Credit/ECTS</b>	2/2
<b>Hour per Week</b>	1
<b>Level/Year</b>	Undergraduate/1
<b>Semester</b>	Fall
<b>Classroom</b>	MUHD-305
<b>Content</b>	GBM111 Engineering Ethics introduces ethical perspectives to engineers in the context of their profession.
<b>Prerequisites</b>	N/A
<b>Textbooks</b>	<i>Primary</i> Concepts and Cases Engineering Ethics, 6th Edition, Harris, 2018
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• To introduce students to fundamental concepts of engineering ethics.</li> <li>• To improve student's ethical awareness .</li> <li>• To identify and analyse ethical issues in engineering.</li> </ul>
<b>Course Outcomes</b>	CO1. Summarize key concepts of engineering ethics. CO2. Identify and analyse ethical issues in engineering. CO3. Approach ethical issues from various aspects. CO4. Identify risks in engineering design. CO5. Enhance overall ethical awareness.

### Weekly Schedule of Topics

W	Topic	Content
1	Introduction to Course	Introduction of lecturer, course structure, syllabus evaluation method, rules and expectations
2	Professionals for The Human Good	Professions, engineering as a profession, promoting public good, refraining harm, aspirational ethics, grand challenges in engineering
3	Professionals for The Human Good II	
4	Professionals for The Human Good III	
5	A Practical Ethical Toolkits I	Factual, conceptional and application issues, line drawing, creative-middle-way solutions, common morality, moral theories, utilitarian approach, virtue ethics
6	A Practical Ethical Toolkits II	
7	A Practical Ethical Toolkits III	
8	Responsibility in Engineering I	Engineering standards, blame responsibility, legal liability, harms, the range of standards of practice
9	Responsibility in Engineering II	
10	Engineers in Organizations	Engineers and managers, responsibility dissent, whistleblowing
11	Trust and Reliability I	Honest, forms of dishonesty, intellectual property, confidentiality, informing public, expert witnessing, conflicts of interest
12	Trust and Reliability II	
13	Managing Risk I	Engineers' approach to risk, public's approach to risk, communicating risk and public policy, becoming responsible engineer regarding risk
14	Managing Risk II	

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**Professional Contribution** N/A

**Contribution to Program Outcomes\***

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	0	0	0	0	0	1	2	0	0	0	0
CO2	0	1	1	1	0	0	1	0	0	1	0
CO3	0	0	0	0	0	0	1	0	0	0	0
CO4	0	1	1	1	0	0	1	0	0	1	0
CO5	0	0	0	0	0	0	1	1	0	0	0

\* Contribution Level | 0: None | 1: Very Low | 2: Low | 3: Medium | 4: High | 5: Very High

**Special Conditions** N/A

**Requirements** N/A

**Course Policy** N/A

**Cheating & Plagiarism**

- Copying or letting someone copy anyone work on exams, assignments, or reports is cheating.
- Cutting and pasting text, figures and tables from web sources, AI or any other electronic source is plagiarism.
- The consequence of academic dishonesty is to receive a grade of **FF** for the course.

**Evaluation**

Midterm Exam	40%
<u>Final exam</u>	<u>60%</u>
Total	100%

**Rubric** N/A

**Instructor**

Name/Surname	Enes Durgut	Email	<b>enes.durgut@alanya.edu.tr</b>
Room	321	Office Hours	Students can arrange meetings through Google Calendar

Prepared by Enes Durgut on October 16th, 2024