Alanya Alaaddin Keykubat University | Rafet Kayış Faculty of Engineering
Mechanical Engineering Department

SYLLABUS

Code/Name	MCE 408.1 / Engineering Ethics
Type	Nontechnical Elective
Credit/ECTS	2/3
Hour per Week	2 (2+0+0)
Level/Year	Undergraduate/4
Semester	Spring
Classroom	D203
Content	Sources of ethics. Ethical theories. Moral, law and ethics. Personal and professional ethics. Understanding ethical problems. Ethical safety, risks, and accidents. Rights and responsibilities of engineers. Conflict of interest. Research misconduct and plagiarism. Code of ethics in engineering. Ethical issues in engineering practice. Case studies.
Prerequisites	NA
Textbooks	***Primary*** Ziu Q, Martin M, Schinzinger R, *Ethics in Engineering*, 5th ed., McGraw Hill, 2022. ***Supplementary*** Class notes
Objectives	• To identify various ethical issues in engineering • To comprehend principles of ethical issues such as ethical safety, conflict of interest, and plagiarism • To identify code of ethics in engineering
Course Outcomes	In this course you will be able to: CO1 Identify ethical issues in engineering CO2 Differentiate moral, law, and ethics CO3 Differentiate between personal and professional ethics CO4 Comprehend ethical safety, risks, and accidents CO5 Assess conflict of interest and other misconduct such as plagiarism C06 Identify code of ethics in engineering

Weekly Schedule of Topics

W	Topic
1	Sources of ethics
2	Ethical theories
3	Moral, law, and ethics
4	Personal and professional ethics
5	Ethical problems
6	Ethical safety, risks, and accidents
7	Rights and responsibilities of engineers
8	Conflict of interest
9	Research misconduct and plagiarism
10	Code of ethics in engineering
11	Code of ethics in engineering
12	Ethical issues in engineering practice
13	Case studies in engineering ethics

14	Case studies in engineering ethics

Professional Contribution	Ability to identify ethical issues in engineering and find appropriate solutions

Contribution to Program Outcomes*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	0	5	0	0	0	0	3	0	0	0	0
CO2	0	5	0	0	0	0	3	0	0	0	0
CO3	0	5	0	0	0	0	3	0	0	0	0
CO4	0	5	0	0	0	0	3	0	0	0	0
CO5	0	5	0	0	0	0	3	0	0	0	0
CO6	0	5	0	0	0	0	3	0	0	0	0

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

Special Conditions	• Students work in groups for project and presentations.
Requirements	NA
Evaluation	Midterm Exam 40% Quiz 20% Final Exam 40% Total 100%
Rubric	NA
Course Policy	1. Students are required to attend at least 70% of the theoretical courses and 80% of the courses with lab/application sessions including add-drop period. Otherwise, you will receive a grade of DZ. Health reports and other official or nonofficial excuses are not accepted. 2. Be in the class on time. Late attendance may result in grade deductions. 3. English should always be used to communicate with one another. 4. Mobile phone should be switched off and put away during the class. 5. Illegal copies of the textbooks and other illegal course materials cannot be used for the classwork and exams.
Cheating & Plagiarism	• Copying or letting someone to copy your work on exams, assignments, or reports is cheating. • Cutting and pasting text, figures and tables from the web sources or any other electronic source is plagiarism. • A consequence of academic dishonesty is to receive a grade of FF for the course.

Instructor

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Prepared by Mehmet Kanoğlu