

Professional Ethics

Code	Credit Hours
HU-222	2+0

Course Description

This course is aimed to develop understanding the importance of ethics in the professional life of an engineer. Specific objectives are to help student learn: the difference between ethics, moral and law; Responsibilities to act ethically in dealing with day to day matters of their professional life; The code of ethics and apply these to various ethical problems; Responsibilities towards welfare of society and environmental protection through engineering practices.

Text Book:

Ethics in Engineering by Mike Martin, 2022, 5th Ed., McGraw Hill, ISBN: 9781260721744

Attributes of Muslim Professionals in the light of Quran & Sunnah by Akram Muhammad Zeki, 2021, Ilum Press, ISBN 9789674911201

Engineering Ethics: Concepts and Cases by Charles E. Harris Jr., 2018, 6th Ed., Cengage Learning, ISBN 978-1337554503

Prerequisites

Nil

ASSESSMENT SYSTEM FOR THEORY

Quizzes	10%
Assignments	10%
Mid Terms	30%
ESE	50%

Teaching Plan

Week No	Topics	Learning Outcomes
1-3	Professional Ethics, Basic Concepts and Sources	What is a Profession? What is Ethics? Why study Ethics?, Professional Ethics, the difference between Laws, Morals, and Ethics: Character Ethics, Personality Ethics, Value & Virtue Ethics and Characteristics of Code of Ethics, Islamic teachings as the main source of Code of Ethics

4-6	Personality Traits	Desirable and Undesirable personality traits, Trust and Honesty, Sincerity, Truthfulness, Politeness, Respect and Etiquette. Human Values, morality and ethics, Moral code of Islam, Struggle for Rizq e halal. To identify and adopt the legitimate, lawful and ethical sources of earning/livelihood.
7-8	Moral Development	Moral Development, moral dilemma, dealing with moral dilemma, moral autonomy, Fulfillment of Promise, Pride and Arrogance, Malpractices, Engineer's moral rights, right of professional conscience, professional rights and Ethical theories, intellectual property rights, patents, design, trademark etc.
9	MID TERM EXAM	
10-12	Professional Responsibilities and Rights	Professional Ethics, role of professional bodies, Engineering code of ethics, Engineering ethics, training in preventive ethics, questionable engineering practices, Micro and Macro ethics, examples of moral problems in engineering, Time management, Cooperation.
13-15	Inter-Personal Relationship	Inter-Personal Relations (Employer-Employee relationship), employee rights, professionalism and loyalty, right to protest, obligation of confidentiality, effect of change of job on confidentiality, conflict of interest, Grievances, Welfare, health and safety of personnel, whistle blowing and its features, types, procedures to be followed and conditions to be satisfied before whistle blowing.
16-17	<i>Problem solving and decision making</i>	Problem-Solving, Decision-Making, Engineer's responsibilities towards social welfare, environment degradation, bio-centric ethics, Eco-centric ethics, Human-centered environmental ethics, safety and risk, tests in moral problems solving, problem-solving in engineering ethics, <i>case studies</i> .
18	End Semester Exams	

