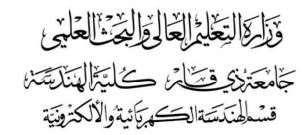
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





العدد : التاريخ : / / ٢٠

Course number and name	ER 417: Engineering Ethics and Professionalism
Credits and contact hours	1 credit and 1 hour
Course coordinator	
Textbook	Seebauer, E.G. and Barry, R.L. Fundamental of Ethics for Scientists and Engineers (New York: Oxford University Press, 2001).
Course Information	a. Prerequisites: High school math b. Required
100	Course introduction and overview, Morals and ethics,
	Comparison of ethics and engineering ethics, Ethics at
	personal and student level, The concept of professions, The
	importance of ethics in science and engineering, The role of
	codes of ethics, Professional responsibilities of engineers, The
The same of	concept of morality, The importance of core values,
	Moral/ethical dilemmas and hierarchy of moral values, Factors
	affecting moral responsibility, and degrees of responsibility,
Topics to be covered	Overview of ethical theories and applications, Basics of ethical
_	analyses and decision-making, The importance if intention,
South L	Truth (personal and social), Ethical leadership in engineering
	and society, Conflicts of interests, Engineers in organizations,
ة والألكة ونية	Ethics in the workplace, Fairness (personal and social), Ethics
	in the electronic and digital age, Privacy and confidentiality
	issue, Responsible conduct of research, Intellectual property
	and society, Innovation and ethics, Sustainable engineering,
	Global and cultural considerations.