

Ministry of Higher Education and Scientific Research
Supervision and Scientific Evaluation Authority
Department of Quality Assurance and Academic Accreditation

Academic Program Description Form for Colleges and Institutes Academic Year

University: Shatt Al-Arab
College/Institute: Engineering
Scientific Department: Civil
Date of Form Completion: 01/09/2025



Signature

Name of Head of Department:

Lecturer Nabeel Najm Abdullah



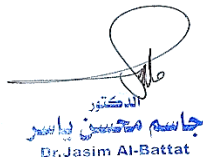
Signature

Name of Scientific Assistant

Dr. Jawad Kadhim

Reviewed by:
Quality Assurance and University Performance Division
Name of Division Director: Dr. Jasem Mohsen Yasser

Signature:



الدكتور
جاسم محمد باقر
Dr. Jasim Al-Battat



أ.م.د. احسان قاسم محمد
عميد كلية الهندسة

Dean's Approval

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Ethics engineering		Module Delivery
Module Type	Core		☐ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code	CE416		
ECTS Credits	8		
SWL (hr/sem)	200		
Module Level	4	Semester of Delivery	2
Administering Department	Type Dept. Code	College	Type College Code
Module Leader		e-mail	
Module Leader's Acad. Title		Module Leader's Qualification	
Module Tutor		e-mail	
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	1\9\2025	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الاخرى			
Prerequisite module	Concrete design, Mathematics, Survey	Semester	
Co-requisites module	None	Semester	

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Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	This module introduces students to the fundamental principles of professional ethics and ethical responsibility in engineering practice. It aims to develop students' understanding of ethical values, professional conduct, legal responsibilities, sustainability, and social accountability. The course emphasizes ethical decision-making, integrity, teamwork, leadership, and compliance with professional codes of ethics in civil engineering and related professions.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	Upon successful completion of this module, students will be able to: 1. Understand the principles and importance of professional ethics in engineering practice. 2. Apply ethical reasoning to solve professional and engineering-related dilemmas. 3. Recognize the legal, social, and environmental responsibilities of engineers. 4. Demonstrate honesty, integrity, and accountability in professional activities. 5. Work effectively within multidisciplinary teams while respecting professional values. 6. Identify and apply national and international engineering codes of ethics. 7. Appreciate the importance of lifelong learning and continuous professional development.
Indicative Contents المحتويات الإرشادية	• Introduction to professional ethics and ethical theories. • Professional responsibility and accountability. • Engineering codes of ethics and professional standards. • Integrity, honesty, and conflict of interest. • Ethical decision-making in engineering practice. • Occupational health and safety responsibilities. • Environmental ethics and sustainable development. • Social responsibility and public welfare. • Teamwork, leadership, and professional communication. • Intellectual property rights and confidentiality. • Legal aspects of engineering practice. • Case studies on ethical issues in civil engineering.

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	The course will be delivered through lectures, classroom discussions, case studies, and interactive learning activities. Students will analyze real engineering ethical dilemmas, participate in group discussions and presentations, and complete assignments that enhance ethical reasoning and professional judgment. PowerPoint presentations, videos, and professional engineering codes will be used to support learning. Students are encouraged to actively participate in discussions and independently review relevant ethical standards and professional guidelines.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ 15 اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	142	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	10
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	108	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	7.2
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	250		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	3 , 7	All
	Assignments	2	10% (10)	2,4,6,8,10,12	All
	Class activity	1	10% (10)		
	Report	1	10% (10)		
Summative assessment	Midterm Exam	1 hr	10% (10)	10	1-5
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction to professional ethics and engineering ethics.
Week 2	Ethical theories and moral principles.
Week 3	Professional responsibility and accountability.

Week 4	Engineering codes of ethics and professional conduct.
Week 5	Integrity, honesty, and conflict of interest.
Week 6	Ethical decision-making and problem-solving methods.
Week 7	Occupational health, safety, and ethical responsibilities.
Week 8	Midterm Examination.
Week 9	Environmental ethics and sustainable development.
Week 10	Social responsibility and public welfare.
Week 11	Teamwork, leadership, and professional communication.
Week 12	Intellectual property rights and confidentiality.
Week 13	Legal responsibilities of engineers and engineering practice.
Week 14	Case studies in engineering ethics.
Week 15	Contemporary ethical issues in engineering and professional development.
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	

Week 6	
Week 7	

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	McGhee, T.J., "Water Supply and Sewage", 6 th Ed., McGraw Hill, Tokyo, 1991.	Yes
Recommended Texts	Viessman, W., Hammer, M.J., Perez, E.M., Chdik, P.A., Water supply and pollution control, 6 th Ed., Pearson Education Limited 2014.	No
Websites		

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.