

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	ETHICS AND LEADERSHIP SKILLS		Module Delivery
Module Type	Support		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	ENG012		
ECTS Credits	2		
SWL (hr/sem)	50		
Module Level	UGIV	Semester of Delivery	
Administering Department	CV101	College	Civil Engineering College
Module Leader	Dr. Ahmed Adnan Saeed	e-mail	Ahmed.adnan@uoanabr.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ph.D.
Module Tutor		e-mail	E-mail
Peer Reviewer Name	Name	e-mail	E-mail
Scientific Committee Approval Date	01/06/2023	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<p>Module Aims أهداف المادة الدراسية</p>	<p>1- The graduate has outstanding leadership and administration skills that can be utilized to manage his/her workplace effectively.</p> <p>2- The graduate is aware of the modern styles of leadership and administration skills.</p> <p>3- The graduate is aware of the ethical issues in the engineering practice.</p>
<p>Module Learning Outcomes مخرجات التعلم للمادة الدراسية</p>	<ol style="list-style-type: none">1. Explain the basic concepts of leadership.2. Build power and influence.3. Add value to their sphere of influence4. Give and receive feedback, actively listen, provide supportive communication, and coach and counsel their team members.5. Identify and confront ethical issues in engineering practice
<p>Indicative Contents المحتويات الإرشادية</p>	<p>Indicative content includes the following.</p> <p><u>Chapter one</u> Introduction to leadership Leadership definition Why is leadership important for engineers? Are leaders born or made? Personality assessment [4 hrs]</p> <p><u>Chapter Two</u> Leadership and management styles Management styles Attributes of the engineering leader Modern leadership Characteristics of servant leader Command leadership vs. servant leadership [4 hrs]</p> <p><u>Chapter Three</u> Effective team leadership</p>

What is team

Why work in teams?
Different types of teams

Role of team leader [4 hrs]

Chapter Four

Practical Implementation

Time management (first things first)

Project related activities

Conducting Effective Meetings

Giving effective feedback

Recognition and reward [6 hrs]

Chapter Five

Communication

Communication types

Thoughts emotion and communication (head, heart and hands)

What influences our communication

Damaging communication habits

Connecting with others

Peer communication assessment [6 hrs]

Chapter Six

Leadership and management styles

Management styles

Attributes of the engineering leader

Modern leadership

Characteristics of servant leader

Command leadership vs. servant leadership [4 hrs]

Chapter seven

Introduction to Engineering Ethics

Professional Codes of Ethics

Ethical Issues in Engineering Practice

1 -Safety Considerations

2- The Role of Good Design

A- Sustainable design and design for all

B- Safety and risk in Design

3- Environmental Ethics [4 hrs]

Chapter eight

	Steps in Confronting Moral Dilemmas Case Studies a. New Ramadi city b. Space shuttle Challenger accident [2 hrs]
Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Foundation engineering courses require effective learning and teaching strategies to ensure students develop a strong understanding of complex concepts and their practical applications. The range of strategies that can enhance the learning experience for students in engineering ethics and leader courses. These strategies include lecture-based teaching, practical applications, problem-solving assignments, group work and discussions, technology integration, field trips and site visits, guest speakers, assessments and feedback, continuous learning, and encouraging self-directed learning. By incorporating these strategies, educators can create an engaging and comprehensive learning environment that equips students with the knowledge, skills, and critical thinking abilities necessary for success in the field of engineering leadership.

Student Workload (SWL) الحمل الدراسي للطالب					
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل		33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً		2.0
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل		17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً		1.0
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل		50			
Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	3, 6,10,14	LO #1, 3, and 5
	Assignments	2	5% (5)	2, 12	LO # 4 and 5
	Projects / Lab.	-			
	Report	1	5% (5)	13	LO # 2 - 5
Summative assessment	Midterm Exam	2 hr	20% (20)	7	LO # 1-3
	Final Exam	3hr	60% (60)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction to leadership Leadership definition
Week 2	Why is leadership important for engineers? Are leaders born or made?
Week 3	Personality assessment
Week 4	Leadership and management styles Management styles Attributes of the engineering leader
Week 5	Modern leadership Characteristics of servant leader Command leadership vs. servant leadership
Week 6	Effective team leadership What is team Why work in teams?
Week 7	Different types of teams Role of team leader
Week 8	Practical Implementation Time management (first things first) Project related activities
Week 9	Conducting Effective Meetings Giving effective feedback Recognition and reward
Week 10	Communication Communication types Thoughts emotion and communication (head, heart and hands) What influences our communication Damaging communication habits Connecting with others

	Peer communication assessment
Week 11	Leadership and management styles Management styles Attributes of the engineering leader Modern leadership Characteristics of servant leader Command leadership vs. servant leadership
Week 12	Introduction to Engineering Ethics Professional Codes of Ethics
Week 13	Ethical Issues in Engineering Practice 1 -Safety Considerations 2- The Role of Good Design A- Sustainable design and design for all B- Safety and risk in Design 3- Environmental Ethics
Week 14	Steps in Confronting Moral Dilemmas Case Studies a. Ramadi new city
Week 15	Case Studies b. Space shuttle Challenger accident:
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Lab 1:
Week 2	Lab 2:
Week 3	Lab 3:
Week 4	Lab 4:
Week 5	Lab 5:
Week 6	Lab 6:
Week 7	Lab 7:

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	1- Benator, Barry and Thumann, Albert "Project Management and Leadership Skills for Engineering and Construction Projects." 2003, The Fairmont Press, Inc., USA	Yes
Recommended Texts	2- Fleddermann, C. B. (2012). Engineering Ethics. Upper Saddle River, NJ: Prentice Hall.	Yes
Websites	https://www.uoanbar.edu.iq/Bank-Section.php	

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.