

Course Description Form

1. Course Name:	
Physics	
2. Course Code:	
ENG015	
3. Semester / Year:	
1/2025–2026	
4. Description Preparation Date:	
3/9/2025	
5. Available Attendance Forms:	
turnout	
6. Number of Credit Hours (Total) / Number of Units (Total)	
175	
7. Course administrator's name (mention all, if more than one name)	
Name: Salem Hashem Hussein Email: salim.hashim@uowa.edu.iq	
8. Course Objectives	
Course Objectives	- Understanding the fundamental principles of mechanical physics. - Developing a strong foundation in physics that students can build upon in future studies.
9. Teaching and Learning Strategies	
Strategy	The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This can be achieved through classes, interactive tutorials and by considering different types of simple experiments involving some sampling activities that are interesting to the students.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Week 1-16	175	Analyze the properties of forces, moments, couples, and resultants in 2D. Analyze the properties of forces, moments, couples, and resultants in 3D. Solve equilibrium problems in 2D. Solve equilibrium problems in 3D. Understand basic concepts of the dynamics.	Indicative content includes the following. - The fundamental concepts necessary for the study of Physics. - The properties of forces, moments, couples, and resultants in 2D & 3D - The equilibrium principles of structures. The dynamic characteristics	Theory Lecture Lab Tutorial	

Module Evaluation

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1-3
	Assignments	2	10% (10)	2, 12	LO # 1-3
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	LO # 2-4
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Engineering Mechanics STATICS J.L.Meriam L.G.Kraige
Main references (sources)	Engineering Mechanics STATICS J.L.Meriam L.G.Kraige
Recommended books and references (scientific journals, reports...)	Engineering Mechanics: Statics by Russell Hibbeler
Electronic References, Websites	-----

سالم هاشم الموسوي



أ.م.د. سالم هاشم الموسوي
رئيس قسم الهندسة المدنية

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