



Unit Description Form

Course Description Form

Faculty of Engineering / Department of



Unit Information

Course Information

Unit Title	Bone injuries and fractures		Unit delivery	
Unit Type	secondary		<input checked="" type="checkbox"/> نظريه <input checked="" type="checkbox"/> حاضر <input type="checkbox"/> المختبر <input type="checkbox"/> تعليمي <input type="checkbox"/> عملي <input type="checkbox"/> Seminar	
Unit Code	BME-31-02			
ECTS Credits	8			
SWL (ساعة / SEM)	30 hours			
Unit level	2	Delivery Semester		
Department of Administration	Biomedical	College	Engineering	
Unit Commander	Eng. Kawthar Ali Hassan	E-mail Address	kawtarali@uowa.edu.iq	
Title of Unit Commander	Assistant Lecturer	Unit Commander Qualifications	Master	
Unit Teacher		E-mail Address		
Peer Reviewer Name	name	E-mail Address	E-mail Address	
Date of accreditation of the Scientific Committee	26/9/2024	Version number	1.0	

Relationship with other units

Relationship with other subjects

Prerequisites Unit	No	Semester	
Common Requirements Unit	No	Semester	

Unit objectives, learning outcomes and how-to contents Course objectives, learning outcomes and instructional contents	
Objectives of the Unit Course Objectives	<ol style="list-style-type: none"> 1. Identify the types of fractures and the mechanisms of their occurrence. 2. Analysis of the causes of bone injuries and risk factors. 3. Apply the foundations of diagnosis using appropriate techniques. 4. Understand the different therapeutic principles of fractures. 5. Learn prevention strategies and reduce the risk of injuries.
Unit Learning Outcomes Learning outcomes of the course	<ol style="list-style-type: none"> 1 . . The ability to classify fractures and understand the mechanisms of their occurrence. 2 . Analysis of causes and risk factors associated with orthopedic injuries. 3 . Apply the skills needed to diagnose fractures using appropriate medical tools. 4 . Selecting and applying appropriate treatment plans based on the type of injury and the patient's condition. 5 . Design preventive strategies to reduce the likelihood of bone injury.
Indicative Contents Indicative Contents	<ol style="list-style-type: none"> 1. Definition and classification of fractions. 2. Causes and mechanisms of fractures. 3. Diagnostic methods (clinical and imaging techniques). 4. Treatment methods (non-surgical and surgical). 5. Care and rehabilitation after injury. 6. Complications of fractures and ways to deal with them. 7. Prevention of orthopedic injuries. 8. Examples and applied case studies.

Learning and Teaching Strategies Learning and Teaching Strategies	
Strategies	

	<p>. Interactive Learning:</p> <p>Engage students in discussions about cases of bone injuries and fractures.</p> <p>Organize sessions to solve applied problems.</p> <p>2. Project-Based Learning:</p> <p>Assign students to study and analyze real-life cases of bone injuries.</p> <p>Reporting on diagnostic and treatment methods</p>
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Student Workload (SWL) The student's academic load is calculated for 15 weeks			
SWL منظم (h / sem) Regular academic load of the student during the semester	78	SWL regulator(h/s) Regular student load per week	5
SWL غير منظم (h / sem) Irregular academic load of the student during the semester	72	Unregulated SWL (h/s) Irregular student academic load per week	5
SWL إجمالي (h / sem) The student's total academic load during the semester			30

Unit Evaluation Course Evaluation						
		Time/Number	Weight (tags)	Week due	Related learning outcomes	
Formative Assessment	As	Contests	2	10% (10)	5, 10	LO #1 , 2, 10 and 11
		Assignments	2	10% (10)	2, 12	LO #3 , 4, 6 and 7
		Projects /Laboratory.	1	10% (10)	continuous	every
		report	1	10% (10)	13	LO #5 , 8 and 10
Final Assessment	Midterm Exam	2 hr	10% (10)	7	LO #1-7	
	Final Exam	2 hours	50% (50)	16	every	
Overall Rating			100% (100 degree)			

Delivery Plan (Weekly Curriculum) Theoretical Weekly Curriculum	
week	Covered Material
Week 1	

Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	
Week 8	
Week 9	
Week 10	
Week 11	
Week 12	
Week 13	
Week 14	
Week 15	
Week 16	

Learning and Teaching Resources		
Learning and Teaching Resources		
	text	Available in the library?
Required texts	Clinical Biochemistry, (8 editions), by Leipencotts	Yes
Recommended texts		Yes
Websites		

Grading chart				
Grading chart				
group	degree	Appreciation	Tags (%)	definition
An-Najah Group (50 - 100)	A - Excellent	privilege	90 - 100	Outstanding Performance
	B - Very Good	Very good	80 - 89	Above average with some errors
	C - Good	Good	70 - 79	Proper work with noticeable errors
	D - Satisfactory	medium	60 - 69	Fair but with significant shortcomings
	E - sufficient	Acceptable	50 - 59	The work meets the minimum standards
Group failure (0 - 49)	FX - Failed	Deposit (in processing)	(45-49)	More work required but credit granted
	F - Failed	Failure	(0-44)	Large amount of work required

Note: Signs that are more than 0.5 decimal places greater than or below the full mark will be rounded higher or lower (for example, a score of 54.5 will be rounded to 55, while a mark of 54.4 will be rounded to 54. The university has a policy of not tolerating "imminent traffic failure", so the only modification to the marks granted by the original mark(s) will be the automatic rounding described above.