



<b>Form: Course Syllabus</b>	<b>Form Number</b>	EXC-01-02-02A
	<b>Issue Number and Date</b>	2963/2022/24/3/2 5/12/2022
	<b>Number and Date of Revision or Modification</b>	2/(10/12/2023)
	<b>Deans Council Approval Decision Number</b>	50/2023
	<b>The Date of the Deans Council Approval Decision</b>	26/12/2023
	<b>Number of Pages</b>	06

1.	<b>Course Title</b>	Upper limb Orthotics
2.	<b>Course Number</b>	1833210
3.	<b>Credit Hours (Theory, Practical)</b>	1
	<b>Contact Hours (Theory, Practical)</b>	1
4.	<b>Prerequisites/ Corequisites</b>	1833100
5.	<b>Program Title</b>	<b>Bachelor of Science Degree In Orthotics and Prosthetics</b>
6.	<b>Program Code</b>	3
7.	<b>School/ Center</b>	Rehabilitation Sciences
8.	<b>Department</b>	Orthotics and Prosthetics
9.	<b>Course Level</b>	2 <sup>nd</sup> year
10.	<b>Year of Study and Semester (s)</b>	2 <sup>nd</sup> year, 1 <sup>st</sup> semester
11.	<b>Other Department(s) Involved in Teaching the Course</b>	NA
12.	<b>Main Learning Language</b>	English
13.	<b>Learning Types</b>	<input checked="" type="checkbox"/> Blended <input type="checkbox"/> Fully online <input type="checkbox"/> Face to face learning
14.	<b>Online Platforms(s)</b>	<input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Moodle <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....
15.	<b>Issuing Date</b>	2025
16.	<b>Revision Date</b>	1/10/2025

**17. Course Coordinator:**

Name: Reem Massarweh	Contact hours: Monday 10-12
Office number: 520	Phone number: 5355000/23265
Email: r.massarweh@ju.edu.jo	



**18. Other Instructors:**

Name:
Office number:
Phone number:
Email:
Contact hours:
Name:
Office number:
Phone number:
Email:
Contact hours:

**19. Course Description:**

As stated in the approved study plan.  This course covers diseases and injuries that affect the normal function of upper extremities. In addition, the biomechanics of upper extremity orthoses, their characteristics, indication of use and prescription criteria will be covered.
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**20. Program Intended Learning Outcomes:** (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

- 1. Demonstrate knowledge of skills, techniques, therapeutic modalities, and contemporary trends in orthotic and prosthetic practice.**
- 2. Plan, develop, and implement treatment plans appropriate for each patient according to their age and needs within a broad and continuous series of necessary healthcare treatment plans.**
- 3. Compose effective oral and written communication for clinical and professional purposes including the use of information technology resources**
- 4.**



**21. Course Intended Learning Outcomes:** (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

- 1. Identify the disorders, diseases and injuries which affect the normal function of upper limbs that can be treated/managed by orthoses.**
- 2. Apply the knowledge acquired on biomechanical force systems and use these principles in generating an appropriate orthotic prescription**
- 3. Developing skills in casting, molding, and draping**
- 4. Learn how to recognize the size of the splint trimline.**
- 5. Learn how to rectify an upper limb positive mould according to patient need and clinical situation.**
- 6. Learn how to correctly Fit a splint and the skills of riveting with final fabrication process.**
- 7. Employ analytical skills in proper patient examination, fitting and training while maintain patient decisions and rights.**
- 8. Delivering high quality of health care**
- 9. Communicate with others within the medical team to improve treatment outcome**
- 10.Acquire the skills of identifying what constitute sufficient image quality for orthotic evaluation**

Course ILOs	The learning levels to be achieved					
	Remembering	Understanding	Applying	Analysing	evaluating	Creating
1	x					
2			x			
3						x
4		x				
5			X			
6		x				
7					x	
8				x		



9				x		
10				x		

**22. The matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program:**

Program ILOs Course ILOs	ILO (1)	ILO (2)	ILO (3)	ILO (4)	ILO (5)
1	x				
2	x				
3				x	
4		x			
5		x			
6	x				
7	x				
8				x	

**23. Topic Outline and Schedule:**

Week	Lecture	Topic	ILO/s Linked to the Topic	Learning Types (Face to Face/ Blended/ Fully Online)	Platform Used	Synchronous / Asynchronous Lecturing	Evaluation Methods	Learning Resources
1	1.1	Introduction to Orthoses and Splinting	1,2					
	1.2							
	1.3							
2	2.1	Splint categorization	1,2					
	2.2							
	2.3							



3	3.1	<b>Purpose of splint and design</b>	3					
	3.2							
	3.3							
4	4.1	<b>Indications of using an orthosis</b>	3					
	4.2							
	4.3							
5	5.1	<b>Classification of orthosis; Clavicular and shoulder orthoses</b>	1,2					
	5.2							
	5.3							
6	6.1	<b>Arm orthoses, Functional arm orthoses, Elbow orthoses</b>	1,2					
	6.2							
	6.3							
7	7.1	Mid term						
	7.2							
	7.3							
8	8.1	<b>Forearm/wrist orthoses, Forearm-wrist-hand</b>	1,2					
	8.2							
	8.3							
9	9.1	<b>Anatomical and biomechanical principles of splinting</b>	1,4				Quiz	
	9.2							
	9.3							
	10.1	<b>Wrist injuries, Carpal</b>	2,3					



10		<b>fractures and instabilities</b>						
	10.2							
	10.3							
11	11.1	<b>Pathologies of the hand and the upper extremity</b>	1,2					
	11.2							
	11.3							
12	12.1	<b>Hand injuries and Burns</b>	1,2					
	12.2							
	12.3							
13	13.1	arthritis hand and wrist	1,2					
	13.2							
	13.3							
14	14.1	Brachial plexus and peripheral nerve injuries	1,2					
	14.2							
	14.3							
15	15.1	Final exam						
	15.2							
	15.3							

#### 24. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

<b>Evaluation Activity</b>	<b>Mark</b>	<b>Topic(s)</b>	<b>ILO/s Linked to the Evaluation activity</b>	<b>Period (Week)</b>	<b>Platform</b>
Mid term	30	The first 5 weeks	1,2	7th	
Final exam	50	All	All	15th	
Projects	20		Quiz Report Attendance		



**25. Course Requirements:**

(e.g.: students should have a computer, internet connection, webcam, account on a specific software/platform...etc.):

**26. Course Policies:**

A- Attendance policies:

B- Absences from exams and submitting assignments on time:

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

E- Grading policy:

F- Available university services that support achievement in the course:

**27. References:**

A- Required book(s), assigned reading and audio-visuals:

Atlas of prosthetics, Upper limb Orthotics, upper limb splinting

B- Recommended books, materials, and media:

**28. Additional information:**

Name of the Instructor or the Course  
Coordinator:  
Reem Massarweh.....

Signature:  
R. Massarweh.....

Date:  
...1/10/25.....



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Name of the Head of Quality Assurance Committee/ Department Dr. Mahmoud Fataftah....	Signature: MF...	Date: .....
Name of the Head of Department Dr. Mahmoud Fataftah	Signature: MF	Date: .....
Name of the Head of Quality Assurance Committee/ School or Center .....Dr. Lara Khlaifat	Signature: ...LK.....	Date: 2/11/2025
Name of the Dean or the Director ..... Dr. Lara Khlaifat .	Signature: ...LK.....	Date: 2/11/2025