

Course Syllabus

1	Course title	Upper limb Orthotics	
2	Course number	1833210	
3	Credit hours	1	
	Contact hours (theory)	1	
4	Prerequisites/corequisites	1833100	
5	Program title	Bachelor of Science Degree In Orthotics and Prosthetics	
6	Program code	3	
7	Awarding institution	The University of Jordan	
8	School	Rehabilitation Sciences	
9	Department	Orthotics and Prosthetics	
10	Course level	2 rd year	
11	Year of study and semester (s)	2 rd year, 1 st semester	
12	Other department (s) involved in teaching the course	NA	
13	Main teaching language	English	
14	Delivery method	<input checked="" type="checkbox"/> Blended <input type="checkbox"/> Fully online <input type="checkbox"/> Face to face learning	
15	Online platforms(s)	<input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Moodle <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....	
16	Issuing/Revision Date		

17 Course Coordinator:

Name: Reem W. Massarweh

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**18 Other instructors:**

Name:

Office number:

Phone number:

Email:

Contact hours:

Name:

Office number:

Phone number:

Email:

Contact hours:

19 Course Description:

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.



20 Course aims and outcomes:

A- Aims:

- Learning about diseases and injuries that affect the normal function of upper extremities
- Learning in depth about biomechanics of upper extremity orthoses, their characteristics, indication of use and prescription criteria.

B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

SLOs	1	2	3	4	5	6	7	8	9	10	11	12
SLOs of the course												
1. Determine the classification used for upper extremity orthoses.	x											
2. Identify the disorders, diseases and injuries which affect the normal function of upper limbs that can be treated/managed by orthoses.	x					x						
3. Recognize and understand different design of splints.	x											
4. Acquire, in depth, knowledge about types, components and the biomechanical principles related to upper extremity orthoses.							x					
5. Comprehend the basic components of upper limb orthose.	x			x								
6. Employ analytical skills in proper patient examination	x			x								
7. Distinguish between static and dynamic splints.	x						x		x			
8. Developing skills in casting, molding, and drapping	x	x				x						
9. Dealing congenitally with patient data and personal information.												
10. Illustrate the proper upper limb splint design depends on the upper limb pathology.	x					x				x		
11. Recognizing and work within the limits of their competence and ask for help when necessary	x				x						x	x
12. Acquire the skills of identifying what constitute sufficient image quality for orthotic evaluation				x				x				

21. Topic Outline and Schedule:

Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Introduction to Orthoses and Splinting	1,1, 1,2	FF	NA		Students understanding	Atlas of Prosthetics and Orthotics, 4 th edition Upper limb orthotics, 2 nd edition
2	2.1	Splint categorization	1,3, 2,1					
3	3.1	Purpose of splint and design	1,1,2,1, 2,2 ,2,3	//			//	
4	4.1	Indications of using an orthosis	//	//			//	
Week	Lecture	Topic	Student Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
5	5.1	Classification of orthosis; Clavicular and shoulder orthoses	2,1, 2,1, 2,3	FF	NA		//	
6	6.1	Arm orthoses, Functional arm orthoses, Elbow	//				//	

		orthoses						
7		Mid term						
8	8.1	Forearm/wrist orthoses, Forearm-wrist-hand	//					
9	9.1	Anatomical and biomechanical principles of splinting				//		
10	10.1	The three types of pressure system	3,1, 3,2	FF				
11	11.1	Wrist injuries, Carpal fractures and instabilities	3,3, 4,3	FF				
12	12.2	Pathologies of the hand and the upper extremity	3,3	//				
13	13.1	Hand injuries and Burns	3,2, 4,1	online	NA			
14	14.1	arthritis hand and wrist	3,1, 3,2	//				
15	15.1	. Brachial plexus and peripheral nerve injuries sockets	4,1	//	NA			

22 Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Mid term	30	The first 5 weeks	1,2	5th	
Final exam	50	All	All	8th	
Projects	20	<input checked="" type="checkbox"/> Quiz <input checked="" type="checkbox"/> Report <input checked="" type="checkbox"/> Attendance			Microsoft teams

23 Course Requirements

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

24 Course Policies:

- A- Attendance policies: according to university lows
- B- Absences from exams and submitting assignments on time:
- C- Health and safety procedures: according to university lows
- D- Honesty policy regarding cheating, plagiarism, misbehavior: according to university lows
- E- Grading policy: according to university lows
- F- Available university services that support achievement in the course:

25 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:



26 Additional information:

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Name of Course Coordinator: - -Reem Massarweh-----Signature: ---- R.w Massarweh ----- ----- Date: ----10/10/2023-----
Head of Curriculum Committee/Department: ----- Signature: ----- ---
Head of Department: ----Dr. Anmenh Al-shawabah----- Signature: -----A.SH----- -----
Head of Curriculum Committee/Faculty: ----- Signature: ----- -
Dean: ----- Signature: -----