



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

1.	Course Title	Clinical practicum in Upper Extremity Orthotics
2.	Course Number	1833240
3.	Credit Hours (Theory, Practical)	1
	Contact Hours (Theory, Practical)	4
4.	Prerequisites/ Corequisites	1833100
5.	Program Title	Bachelor of Science Degree In Orthotics and Prosthetics
6.	Program Code	3
7.	School/ Center	Rehabilitation Sciences
8.	Department	Orthotics and Prosthetics
9.	Course Level	2 nd year
10.	Year of Study and Semester (s)	2 nd year, 1 st semester
11.	Other Department(s) Involved in Teaching the Course	NA
12.	Main Learning Language	English
13.	Learning Types	Blended <input checked="" type="checkbox"/> Fully online <input type="checkbox"/> Face to face learning
14.	Online Platforms(s)	<input checked="" type="checkbox"/> Microsoft Teams <input checked="" type="checkbox"/> Moodle <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....
15.	Issuing Date	2025
16.	Revision Date	21/10/2025

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: Mr. Yousef AlSaleh
Office number: 221
Phone number: 23254
Email: y.alsaleh@ju.edu.jo

19. Course Description:

As stated in the approved study plan.

The aim of this course is to apply theories in practice to derive the appropriate solutions for medical conditions that require upper extremity orthoses. The focus will be on orthoses that are made for patients suffering from neurological, muscular and skeletal conditions. In addition, the students will gain the skills necessary to design and manufacture such orthoses.

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**

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 splinting Demonstration on casting a cock-up splint	1,2					
	1.2							
	1.3							
2	2.1	Student casting a cock-up splint	1,2					
	2.2							



	2.3							
3	3.1	Filling the mold, and starting a demonstration of how to rectify the positive	3					
	3.2							
	3.3							
4	4.1	Students to rectify their mold	3					
	4.2							
	4.3							
5	5.1	Plastic drapping	1,2					
	5.2							
	5.3							
6	6.1	Fabrication of cockup splint; trimlines to follow	1,2					
	6.2							
	6.3							
7	7.1	Mid term						
	7.2							
	7.3							
8	8.1	Fitting a splint and riveting with final fabrication process	1,2					
	8.2							
	8.3							
9	9.1	Project 2: Pattern one Stax figure	1,4				Quiz	



	9.2							
	9.3							
10	10.1	Fitting a splint with marks on students work	2,3					
	10.2							
	10.3							
11	11.1	Project 3: Pattern 2, Thumb spica	1,2					
	11.2							
	11.3							
12	12.1	Fitting a splint with marks on students work	1,2					
	12.2							
	12.3							
13	13.1	Project 3 Pattern3, Rest hand splint	1,2					
	13.2							
	13.3							
14	14.1	Fitting a splint with marks on students work	1,2					
	14.2							
	14.3							

24. Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	ILO/s Linked to the Evaluation activity	Period (Week)	Platform
Mid term	50	The first Project	1,2	7th	
Final exam	50	Project 2,3,4	All	15th	

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..... ...
Name of the Head of Quality Assurance Dr. Mahmoud Fataftah Committee/ Department	Signature: MF	Date:



.....

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