



Module (Course Syllabus) Catalogue 2023-2024

College/ Institute	Bachelor's degree	
Department	Physiotherapy	
Module Name	Complex Condition	
Module Code	COC703	
Semester	7 th semester	
Credits	6 ECTS	
Module type	Prerequisite <input type="checkbox"/>	Core <input checked="" type="checkbox"/> Assist. <input type="checkbox"/>
Weekly hours		
Weekly hours (Theory)	(2)hr Class	(2)hr Workload
Weekly hours (Practical)	(2)hr Class	(4)hr Workload
Lecturer (Theory)	Dr. Mahdi Khaled Qadir	
E-Mail& Mobile NO.	mahdiqader@epu.edu.iq	
Lecturer (Practical)		
E-Mail & Mobile NO.		

Course Book

<p>Course Description</p>	<p>This module will focus on the physiotherapeutic management of complex cases, apply and develop knowledge and skills from both neurological and musculoskeletal practice and advance understanding of contemporary and evidence-based interventions for the management of complex neuro-musculoskeletal conditions. It will develop the use of the biopsychosocial model to inform patient management and the integration of clinical reasoning and evidence to support treatment plans.</p> <p>Complex neurological and musculoskeletal conditions that will be addressed in this module include: non-specific low back pain, pain management in conditions such as whiplash or work-related upper limb disorders or multiple-joint conditions, head injury or other neurosurgical conditions, conversion disorder and musculo/neuropathic conditions.</p> <p>A range of contemporary physiotherapy treatments appropriate for use with the various conditions will be considered and critically evaluated including manual therapy, exercise strategies, electro-physical modalities, rehabilitative techniques such as constraint-induced movement therapy and repetitive training. Innovative developments in treatments such as in electrotherapy and use of robotic intervention will be considered.</p>
<p>Course objectives</p>	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> 1. Explore the opportunities and challenges of physiotherapy assessment and management in complex chronic neurological and musculoskeletal conditions. 2. Justify safe, effective and appropriate treatment techniques in the management of complex neurological and musculoskeletal cases. 3. Discuss critically evidence based practice and the use of outcome measures in complex neuro - musculoskeletal conditions.
<p>Student's obligation</p>	<ul style="list-style-type: none"> • Students should prepare their materials. • Lab coat required during lab. • Preparation of seminar, poster, report.
<p>Required Learning Materials</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Lectures provide an introduction and summary of the topic area. Seminars/group work include discussion and use of information provided to support learning. <input type="checkbox"/> Additionally, students are expected to engage in self - study. Their study time will be required to research and critically appraise information and to prepare for the module assessments. <p>Scheduled learning includes lectures, seminars, practical skills sessions. Independent learning includes hours engaged with essential reading, poster preparation linking with the management approach selected for review. Use of practical experience gleaned whilst on placements will also be required to support discussion during the module.</p>
<p>Assessment scheme</p>	<p>25% Mid Term (Theory and practical)</p>

	<p>8% Quiz 2%class activity 10% Assignment (report, paper, seminar..) 10% Lab activity and Report 5% homework 20% final practical 20% final theory</p>	
Specific learning outcome:	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> 1. Explore the opportunities and challenges of physiotherapy assessment and management in complex chronic neurological and musculoskeletal conditions. 2. Justify safe, effective and appropriate treatment techniques in the management of complex neurological and musculoskeletal cases. 3. Discuss critically evidence based practice and the use of outcome measures in complex neuro - musculoskeletal conditions. 4. Produce evidence of well supported clinical reasoning based on rational interpretation of available information. 5. Provide a range of valid alternative responses to situations and discriminate and evaluate the responses in a critical way. 6. Critically appraise the role of the physiotherapist and multi - disciplinary team in chronic pain management and other complex neuro-musculoskeletal conditions. 7. Evaluate the research findings in relation to the treatment of complex neurological and musculoskeletal conditions. 8. Demonstrate reflective practice to underpin personal and professional development when working with patients with complex conditions. 	
Course References:	<p>Butler, D.S. and Moseley, G.L. (2013) <i>Explain Pain</i> * 2nd Ed. Bournemouth: NOI Publications. Refshauge, K., Ada, A. and Ellis, E. (2005) <i>Science-based Rehabilitation: theories into practice</i>. Edinburgh: Elsevier Butterworth Heinemann. Useful journals; Pain and Rehabilitation – The Journal of Physiotherapy Pain Association http://www.ingentaconnect.com/content/ppa/pr Clinical Rehabilitation http://cre.sagepub.com/ Archives of Physical Medicine & Rehabilitation http://www.sciencedirect.com/science/journal/00039993 Useful websites; www.noigroup.com</p>	
Course topics (Theory)	Week	Learning Outcome
Introduction of Rehabilitation & History General principle on medical rehabilitation Role of Physiotherapy in Rehabilitation (preventive, treatment & restoration)	1	1, 2 & 5
Osteoarthritis , IHD and DM	2	2,3&4

Disc prolapse and HD	3	1, 3, &5
Knee pain nad fracture	4	1,2,3,4&6
Cerebral palsy	5	1&3
Spinal cord injury	6	1, 2, 4&6
ICF	7	1, 3& 5
Asthma, COPD and HT	8	1,2&4
Pain treatment	9	1,3,4 &5
Heel pain–plantar fasciitis, IHD	10	1,2&5
Avascular necrosis of Hip and perthes disease	11	1&5
Stroke	12	1.2.4&5
Practical Topics	Week	Learning Outcome
Introduction of Rehabilitation & History General principle on medical rehabilitation Role of Physiotherapy in Rehabilitation (preventive, treatment & restoration)	1	1, 2 &5
Osteoarthritis , IHD and DM	2	2,3&4
Disc prolapse and HD	3	1, 3, &5
Knee pain nad fracture	4	1,2,3,4&6
Cerebral palsy	5	1&3
Spinal cord injury	6	1, 2, 4&6
ICF	7	1, 3& 5
Asthma, COPD and HT	8	1,2&4
Pain treatment	9	1,3,4 &5
Heel pain–plantar fasciitis, IHD	10	1,2&5
Avascular necrosis of Hip and perthes disease	11	1&5
Stroke	12	1.2.4&5

Questions Example Design

Q1- Choose the correct answer? (10 Marks)

- 1- Radiological finding of tennis elbow :.
- A- bone space narrowing
 - B- calcification at medial epicondyle
 - C- decrease bone density
 - D- All the above
 - E- none of the above

Q2- Filling the blanks? (10 Marks)

- 1- clinical feature of carpal tunnel syndrome include
- A-
 - B-
 - C-
 - D-
 - E-

Q3:

Write short note on physiotherapy program of the following:

A 40 years old house wife complaining of pain in right forearm pain mainly extensor surface.

Extra notes:

External Evaluator