



Module (Course Syllabus) Catalogue 2023-20234

College/ Institute	Bachelor's degree	
Department	Physiotherapy	
Module Name	Musculoskeletal Physiotherapy	
Module Code	MSK602	
Semester	6 th semester	
Credits	8ECTS	
Module type	Prerequisite <input type="checkbox"/>	Core <input checked="" type="checkbox"/> Assist. <input type="checkbox"/>
Weekly hours		
Weekly hours (Theory)	(2)hr Class	(3)hr Workload
Weekly hours (Practical)	(4)hr Class	(6)hr Workload
Lecturer (Theory)	Dr. Mahdi Khaled Qadir	
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Lecturer (Practical)	azhin.jamal@epu.edu.iq	
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Course Book

<p>Course Description</p>	<p>1- Understand the main rheumatologic disease and other important medical condition. 2- Understand concepts of physiotherapy and medical rehabilitation. 3- Describe types of physiotherapy to all rheumatological diseases.</p>
<p>Course objectives</p>	<p>On completion of this course the student will be able to:</p> <ul style="list-style-type: none"> • Use critical thinking and systematic approach to planning, approaching and evaluation of rheumatological disease. • Understand the principles of body mechanics and demonstrate skills of safe positioning, moving, transferring and mobilizing patients, and assisting patients with active and passive exercises. • Demonstrate knowledge and skills of medical assessment and measurement. • Recognize the main principles of physiotherapy to medical condition.
<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>	<p>Hall, projector, lab materials</p>
<p>Assessment scheme</p>	<p>25% Mid Term (Theory and practical) 8% Quiz 2% class activity 10% Assignment (report, paper, seminar..) 10% Lab activity and Report 5% homework 20% final practical 20% final theory</p>
<p>Specific learning outcome:</p>	<p>1- Recognize the basic physiotherapy concepts underlying all medical disease. 2- Understand and use the physiotherapy process as a framework for providing physiotherapy care for a patient with selected medical disorder. 3- Demonstrate knowledge and skills of preparation and application of exercise to all rheumatological disease. 4- Demonstrate knowledge and skills on bed ridden patient.</p>

Course References:	<p>Susan B O’Sullivan, Thomas J Schmitz (2018). Physical Rehabilitation, 7th ed., Jaypee Brothers Medical Publishers.</p> <p>- Carolyn Kisner, Lynn Allen Colby, (2021) Therapeutic exercise, 9th ed., Jaypee Brothers Medical Publishers.</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: classification, causes, OA in different joints: cervical, lumber, knee, hip, hand, feet, ankle and elbow.	2	2,3&4
Rheumatoid arthritis: clinical presentation, diagnosis and its complications.	3	1, 3, &5
Ankylosing spondylitis : presentation , diagnosis , treatment	4	1,2,3,4&6
Soft tissue rheumatism: Tendinitis (tennis elbow and golf elbow) , adductor tendinitis , de Quervain's tenosynovitis, bursitis and trigger finger	5	1&3
Frozen shoulder	6	1, 2, 4&6
Backache: types, Acute lumbago, Chronic back problems	7	1, 3& 5
Osteoporosis	8	1,2&4
Pain treatment	9	1,3,4 &5
Chondromalacia patellae	10	1,2&5
Heel pain–plantar fasciitis	11	1&5
Avascular necrosis of Hip and perthes disease	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: classification, causes, OA in different joints: cervical, lumber, knee, hip, hand, feet, ankle and elbow.	2	2,3&4
Rheumatoid arthritis: clinical presentation, diagnosis and its complications.	3	1, 3, &5
Ankylosing spondylitis : presentation , diagnosis , treatment	4	1,2,3,4&6
Soft tissue rheumatism: Tendinitis (tennis elbow and golf elbow) , adductor tendinitis , de Quervain's tenosynovitis, bursitis and trigger finger	5	1&3
Frozen shoulder	6	1, 2, 4&6
Backache: types, Acute lumbago, Chronic back problems	7	1, 3& 5
Osteoporosis	8	1,2&4
Pain treatment	9	1,3,4 &5
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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