

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Orthopedics
Course number	MDCN4423
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	4
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - Obtain a complete and/or focused Orthopedic history from patients.
2 - Perform Orthopedic physical examination on patients
3 - • Order appropriate investigations and interpret its results for the common or important diseases
4 - • Develop a problem list and differential diagnosis based on the history, physical findings and initial investigations

Intended Learning Outcomes

Knowledge and Understanding	* • Understand how to recognize the sick medical patient and how to diagnose and treat common emergency and nonemergency medical presentations.
Intellectual Skills	* • Understand the role of decision making in the clinical environment and the main theoretical models of decision making.
Professional Skills	* • Reflect how patient safety may be compromised by poor decision making and ineffective healthcare environments and create strategies to overcome these.

Course Contents

1 - • General Approach to the Orthopedic Patient
2 - • Communication with Orthopedic Patients
3 - • Orthopedic Emergencies
4 - • Anatomy of Musculoskeletal system
5 - • Fractures and dislocations
6 - • Knee Joint Diseases
7 - • Ankle Joint Diseases
8 - • Shoulder Joint Diseases
9 - • Hip Joint Diseases
10 - • Common pediatric orthopedic problems

Teaching and Learning Methods

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| 1 - Morning report
2 - Seminars
3 - Bed-side teaching
4 - Outpatient clinics |
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Teaching and Learning Methods for the Disabled Students

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| 1 - Lectures
2 - Help each student according to his needs and his condition |
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Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Attendance	0	10
case history	10	5
log book	0	5
multiple choice exam	120	60
static osce exam	60	20

Books and References

Course note	Tutorials / Lectures
Essential books	CURRENT Diagnosis & Treatment in Orthopedics
Recommended books	Apleys Concise System of Orthopaedics and Fractures

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Introduction to orthopedics and principles of fractures	1	How to take a proper history and to do physical examination	To know the principles of orthopedic X-Ray		To identify the general investigations of orthopedics
Bone and Joint Infections	2+3	Diagnose different types of fractures.- Classify fractures.- Identify the signs and symptoms of bone and joint infections	To identify the mechanism of fractures		Outline the treatment ways
Hip disorders and Developmental Dysplasia of the Hip (DDH).	4	Outline the etiological theories		Demonstrate the clinical skills necessary for clinical diagnosis	Outline treatment measures
Knee Problems	5	Classify Knee Disorders Investigations of knee disorders			How to examine the Knee
Hand	6+7	Understand important anatomical aspects Identify hand infections			Outline the treatment principles for hand problems
Spine	8+9	Classify spinal disorders High light the importance of neurological findings		Examine the spine.	Treatment plan for different spinal disorders
Shoulder and elbow joints	10+11	Classify shoulder and elbow disorders		Demonstrate clinical skills in finding abnormal signs	Plan treatment protocols for disorders affecting these joints
Ankle and Foot	12+13	To know the normal gait and stand Investigate disorders of the ankle and foot		Demonstrate clinical skills in finding abnormal signs	To treat the most common disorders of the area
Complications of fractures	14+15	To know the early general and local complications To know the late complications	How to diagnose the complications		How to treat the complications

