

Course Overview

Anatomy & Physiology

Course code :	PMT207
Course title:	Anatomy & Physiology
Level/semester	Second Semester
PRECEDING COURSES	First year Courses.
Credit hours: 4	Theoretical: 3
	Practical: 2

course title: Anatomy & Physiology (Theory):

CONTENTS	HOURS
General Anatomy: -Anatomical terms -Skin and fasciae -Skeletal system -Articular system -Muscular system -Vascular system -Nervous system	3
Regional Anatomy of the Upper Limb: -Bones of the upper limb -Pectoral region -Axilla -Back -Scapular region -Arm -Cubital region -Forearm -Hand: bones-joints (wrist joint - intercarpal joints – carpometacarpal joints – metacarpophalangeal joints – interphalangeal joints of the hand) – carpal tunnel and structure at the wrist – palmar aponeurosis– palmaris brevis – anatomical snuff box – fibrous digital sheaths– extensor hoods – muscles (thenar muscles – adductor pollicis– hypothenar-lumbricals-interossei) – arteries and veins (ulnar artery and superficial palmar arch-radial artery and deep palmar arch) – nerves (ulnar nerve-meidial nerve-superficial branch of radial nerve) -Lymph nodes of the upper limb -Joints of the upper limb: sternoclavicular joint – acromioclavicular joint – shoulder joint – elbow joint – radioulnar joints -Surface and Applied -Imaging of the upper limb -Development of the limbs	3

<p>Regional Anatomy of the Lower Limb:</p> <ul style="list-style-type: none"> -Bones of the lower limb -Thigh -Gluteal region -Popliteal fossa -Leg -Foot -Lymph nodes of the lower limb -Joints of the lower limb: hip joint – knee joint – ankle joint – subtalar joint – intertarsal joints – tarsometatarsal joints – metatarsophalangeal joints – interphalangeal joints of the foot -Surface and Applied -Imaging of the lower limb 	3
<p>Regional Anatomy of the Thorax:</p> <ul style="list-style-type: none"> -Thoracic cage -Thoracic wall -Pleura and lungs -Heart and big vessels -Mediastinum -Diaphragm -Lymph nodes of the thorax -Joints of thorax -Surface and Applied -Imaging of the thorax -Development of CVS and respiratory system 	3

Physiology

Course Description:

1-Topics to be Covered in Theoretical Lectures		
List of Topics	No of Weeks (15 Weeks)	Contact hours (30 hours)
Gastro-intestinal Physiology	4	8
Body fluid and Acid-Base balance	1	2
Physiology of Blood	1	2
Cardiovascular Physiology	3	6
Physiology of Respiration	3	6
Neuro-muscular Physiology	3	6
End of Term Exams		

