كلية الطب _ جامعة الموصل

gross Anatomy for MSc التشريح العياني – الماجستير

Course Description

What you should write here? A course description that provides a brief summary of the most important characteristics of the course and lists the learning outcomes expected from the student to achieve when he has made maximum use of the available learning opportunities.

Educational Institution/ college	University	of Mosul/ CMUM	
The department offering the course	Anatomy		
Name of Academic Program	M.Sc.		
Academic Year/Level	st year (Tho	eoretical year)	
Title of the course	Gross anate	omy	
Code	McAnMScA	A	
Total Course Hours	Practical hours= 1.		Total 1.0
Total Course Hours	Theoretical	hours= ٤٥	
Details of any advestional appart	Name	Dr.basim idrees dhannoon al-kalo	
and /or IFE of the course	Email	mail basim.idrees @alnoor.edu.iq	
	affiliation alnoor university college		
Date of specification approval	1_9_7.7٣		

General Aims of Course

The overall aim of the course is to provide the students with the basic anatomical knowledge of the normal structure of the human body at the level of the upper limb, thorax and lower limb and to integrate these anatomical facts with more advanced knowledge of clinical sciences.

Intended learning outcomes (ILOs) of the course:

Methods of assessment

By the end of the course, students should be able to:		of each outcome type
A. Knowledge and	A)-Describe the principal distinguishing	
understanding:	features of bones of the upper limb	
	A^{γ} -List the muscles of the upper limb and	
	their main action and nerve supply including	
	the rotator cuff muscles.	
	A^{T} -List the muscles that are attached to the	
	arm and forearm and their action and nerve	
	supply	
	A^{ξ} -Define the axilla. Describe the boundaries	
	and borders of the axilla	
	A°-List the contents of the axilla.	
	A ³ -Describe the components of the joints of	
	the upper limb.	
	A^{\vee} -Describe the stability of the shoulder	
	joint.	
	A^{A} -Describe the cubital fossa, list the	
	contents of the cubital fossa.	
	A ⁹ -Understand the clinical importance of the	
	cubital fossa	
	A ¹ ·-Describe the components of the elbow	
	joint.	
	All-List the muscles acting on the elbow	
	joint	
	A ^{\\\\} -Describe the components of the wrist	
	joint.	
	A^{γ} -List the muscles acting on the wrist joint	
	$A^{1\xi}$ -Describe the carpal tunnel and the flexor	
	and extensor retinacula and the structures	
	passing in relation to the retinacula	
	A [\] °-Describe the snuffbox.	
	A ¹ -Describe the movement of the fingers	
	and list the muscles acting on the fingers.	
	A ^{\V} -Describe the principal distinguishing	
	features of bones of the thoracic cage	
	A\^-List the muscles of the thoracic wall and	
	their main action and nerve supply.	
	A ¹ ⁹ -List the contents of intercostal space.	
	$A^{\gamma} \cdot -Define the pleura.$	

A ^{<i>Y</i>})-Describe lungs.	
A ^Y ^Y -Describe the components of the	
mediastinum.	
$A^{\gamma \gamma}$ -Describe the surface anatomy of the	
heart.	
A ^γ [£] -Describe the chambers of the heart.	
A ^Y °-Understand the conductive system of	
heart.	
A ^Y ⁻ List the blood supply of the heart.	
A ^{YY} -List the posterior mediastinal structures.	
A ^{YA} -Describe the principal distinguishing	
features of bones of the lower limb	
A ^{۲۹} -List the muscles of the lower limb and	
their main action and nerve supply.	
A^{r} · -List the cutaneous nerves of the lower	
limb.	
A^{r})-Define the femoral triangle. Describe the	
boundaries and borders of the triangle	
6	
$A^{\gamma\gamma}$ -List the boundaries and contents of the	
adductor canal.	
ATT Describe the components of the joints of	
A ⁺ - Describe the components of the joints of	
the lower limb.	
$A^{r_{\xi}}$ -Describe the stability of the hip joint.	
A^{ro} -Describe the popliteal fossa, list the	
content of the popliteal fossa.	
ATLInderstand the clinical importance of	
the gluteal region and popliteal fossa	
the gratear region and populear rossa	
A^{γ} -Describe the components of the knee	
joint.	
$A^{\Upsilon A}$ -List the muscles acting on the knee joint	
A ^{rg} -Describe the components of the ankle	
ioint.	
A^{ξ} ·-List the muscles acting on the ankle joint	
A ^z '-Describe the flexor and extensor	

national and the structures received in	
retinacula and the structures passing in	
relation to the retinacula	
A٤٢-Describe the soles of feet.	
$A \xi \tilde{r}$ -Describe the movement of the toes and	
list the muscles acting on them.	
A [£] [£] Describe the principal distinguishing	
features of bones of the skull.	
A ^{<i>^f</i>} o.List the muscles of the head as well as	
neck and their main action and nerve supply.	
$A \xi$ ¹ .List the layers of the scalp.	
A ^٤ ^V .List the cutaneous nerves of scalp and	
face.	
A [£] ^A .Describe the boundaries and contents of	
the triangles of the neck.	
A ^{٤ ۹} .Describe the subclavian, common	
carotid arteries.	
A°•.Describe the internal jugular vein and	
vagus nerve.	
A°).Understand the anatomical and clinical	
importance of the thyroid gland.	
A° ⁷ .Understand the anatomical and clinical	
importance of the salivary glands.	
$A^{\circ T}$.List the lymphatics of head and neck.	
$A^{\circ \xi}$. Describe the muscles of mastication.	
A°°.Describe orbit, ear and nose.	
$A \circ \mathbb{C}$. Describe the mouth and tongue.	
$A \circ V$ Describe the pharynx and larynx	
$A \circ A$. Describe the surface anatomy of	
abdominal wall	
$A \circ I$ ist the muscles of the abdominal wall	
A3. List the nerve and blood supply of	
abdominal wall	
AT) Define the rectus sheath	
ATT List the contents of rectus sheath	
A T List the boundaries and contents of the	
inquinal canal	
Alf Understand the alinical importance of	
the inguinal canal	
me mgumai canai.	

A ^{\\Classifielde} .Describe peritoneum. A ^{\\Classifielde} .Describe the anatomy, blood and nerve supply of stomach, spleen, liver and gall	
A (.Describe the anatomy, blood and nerve supply of stomach, spleen, liver and gall	
supply of stomach, spleen, liver and gall	
bladder.	
A ^{TV} .Describe the anatomy, blood and nerve	
supply of pancreas, small and large intestine.	
A ¹ A.Describe the Portal vein and portal	
circulation & Lymphatic drainage of	
abdomen.	
A ¹⁹ .List the branches and tributaries of	
abdominal aorta and inferior vena cava.	
A^{\vee} . Describe the Autonomic innervation of	
abdomen and Lumbar plexus.	
A^{\vee}).Describe the anatomy, nerve supply,	
blood supply and lymphatics of kidneys and	
the suprarenal glands.	
$A^{\vee \gamma}$. Understand the anatomy, nerve and	
blood supply of the diaphragm.	
$A^{\vee \gamma}$. Describe the principal distinguishing	
features of bones of the pelvis.	
$A^{\vee \xi}$.List the muscles and contents of	
perineum.	
$A^{\vee \circ}$. Describe the male and female urethra	
and bladder.	
A^{1} Describe the genital organs in both	
sexes	
AVV Understand the clinical importance of	
nelvic dianhragm	
$\Delta V \Delta I$ ist the blood supply and herve supply	
of the pelvis	
of the pervis.	
B. Professional Skills B ¹ -Locate the peripheral pulses and evaluate	
their features	
B ^Y -Locate the brachial artery pulsation for	
efficient blood pressure assessment.	
B ^r -Locate the dorsalis pedis artery pulsation	
for efficient blood supply to foot.	
B^{ξ} -Locate the apex of the heart to see	
whether the heart is enlarged.	
B°-Elicit the normal anatomical structures on	
X-rays.	

	B ¹ .Loca	te the carotid arte	ry pulsation for	
	efficient resuscitation.			
	B ^V .Loca	te the exact site o	f inguinal canal to	
	determin	e the type of ingu	inal hernia.	
C. intellectual skills	C)-Integ	grate the anatomic	al facts with the	
	basic cli	nical knowledge r	required for proper	
	examina	tion of a patient in	n order to reach a	
	proper di	iagnosis		
	C ⁷ -Relat	te the surface man	kings of different	
	structure	s and determine t	he position or	
	course of	f internal structur	es	
	C ^r -Corre	elate the anatomic	al knowledge with	1
	clinical s	signs seen in cases	s of nerve injuries	of
	upper an	d lower limbs.	·	
	C [£] .Corre	elate the anatomic	al knowledge with	
	clinical s	signs seen in cases	s of injuries of mal	e
	urethra a	nd scalp.		
D. General and	D'-read	and appraise scie	ntific papers relate	d
Transferable Skills	to anatomy			
	D ^Y -present scientific facts in a well-organized			
	matter			
	D ^{<i>v</i>} -use advanced technology to search for			
	facts and	prepare presenta	ations	
	D ^٤ -work	as an effective to	eam member.	
E. Attitude outcomes	E)-The s	student will be ale	ert because they	
	learn how	w to pay attention	•	
	E۲-they	will respond activ	vely and share in th	e
	discussio	on with lecturer an	nd with each other.	
	E ^r -valui	ng of the behavio	rs, ideas,	
	personal	ity, and ways of d	lealing.	
	E [£] -resol	ving problems be	tween them	
	accordin	g to these ethical	values.	
	E°-the values become fixed in their minds			
	thus cont	trolling their beha	viors.	
Course structure				
topic		No. Of	No. Of practical	Lecturers responsible to
		lectures	sessions	deliver the course
Anatomy of the upper l	imb	V) •	Dr. Rana Mumtaz
thorax	imh	V N	1	Dr. Ashrat
Anatomy of the lower I	IIIID	v	1 •	Dr. Mayson

Head and neck	۱.	١٣	Dr. Omar
Abdomen	٨	۱.	Dr. Ahmed
Pelvis	٦	٨	Dr. luma

Teaching and learning methods		
1. Theoretical lectures	۲ lectures / week	
Y. Practical labs or clinical sessions	small groups teaching Plastinated cadavers, skeletons, bone and organ specimens will be available for students X-ray imaging films will be available to learn different bonny landmarks*note: submit a copy of the logbook for evaluation	
۳. Seminars and presentations	Each student is required to present ξ seminar on specific subject	
٤. Others/example e- learning	Google classroom	

Assessment me	ethods (mark%):	Feedback method (for each assessment method)
Formative assessments	 formative quiz during lectures discussion panels during assessment lab completing Logbook 	 ¹. Ask the learner what went well. ¹. Tell the learner what went well. ¹. Ask the learner what could be improved. ². Determine for the student the steps that can improve his performance

Summative assessments	 nidcourse exam: ^r•[?] (¹• practical, ^r• theoretical) ^r. final course exam: ^v•[?] (^r• practical, ^o• theoretical). 	
Total	1	Pass mark=ヽ

Resources and requirements		
Essential textbooks	1. Cunningham's Manual of Practical Anatomy, (theoretical and practical, vol. 1 , 7 and 7)	
	۲. Grant Atlas of Anatomy	
	۳. Snell`s Clinical Anatomy by Regions	
Recommended books and references (scientific journals, reports,)	۲. Gray's Anatomy ۲. Atlas of Human Anatomy by FH Netter ^۳ .	
Other resources, Electronic References, Websites	Will be included in the lectures accordingly	

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