

**Course Title: Anatomy and Embryology**  
**Academic year 2011 / 2012**

**First Year / First Semester**

CODE	COURSE TITLE	TIME	Teaching Methods	Weeks
<b>INRODUCTION</b>				
0111ANT1I01	Anatomical Plane, Position	1	L	1
0111ANT1I02	The skeleton (I)	1	L	
0111ANT1I03	The skeleton (II)	1	L	
0111ANT1I04	Fascia & Muscle	1	L	
<b>0112ANT2LL01</b>	<b>Skeleton</b>	<b>2</b>	<b>P</b>	2
0111ANT1I05	Joints (I)	1	L	
0111ANT1I06	Joints (II)	1	L	
<b>0112ANT2LL02</b>	<b>Joints</b>	<b>2</b>	<b>P</b>	3
0111ANT1I07	Cardiovascular system	1	L	
0111ANT1I08	Nervous system	1	L	4
<b>LOWER LIMB</b>				
0112ANT1LL09	Gluteal muscles	1	L	5
0112ANT1LL10	Muscles of the front of the thigh I	1	L	
<b>0112ANT2LL03</b>	<b>Muscles of the front of the thigh</b>	<b>2</b>	<b>P</b>	
0112ANT1LL11	Muscles of the front of the thigh II	1	L	
0112ANT1LL12	Muscles of the Medial side of the thigh I	1	L	
<b>0112ANT2LL04</b>	<b>Muscles of the Medial side of the thigh</b>	<b>2</b>	<b>P</b>	6
0112ANT1LL13	Muscles of the Medial side of the thigh II	1	L	
0112ANT1LL14	Muscles of the back of the thigh	1	L	
<b>0112ANT2LL05</b>	<b>Muscles of the back of the thigh</b>	<b>2</b>	<b>P</b>	7
0112ANT1LL15	assessment of previous topics	1	L	
0112ANT1LL07	Femoral triangle, Sheath	1	L	
0112ANT1LL08	Femoral canal, Adductor canal, Femoral artery	1	L	
<b>0112ANT2LL06</b>	<b>Femoral triangle, Sheath</b>	<b>2</b>	<b>P</b>	8
0112ANT1LL09	Profunda femoris artery and anastomosis in the thigh	1	L	
0112ANT1LL10	Femoral nerve	1	L	
0112ANT1LL11	Saphenous nerve, Obturator nerve	1	L	9
0112ANTLL112	Anterior compartment of the leg	1	L	
<b>0112ANT2LL07</b>	<b>Tibia, Fibula</b>	<b>2</b>	<b>P</b>	10
0112ANT1LL13	Lateral compartment of the leg	1	L	
0112ANT1LL14	Posterior compartment of the leg: superficial & deep	1	L	
<b>0112ANT2LL8</b>	<b>Anterior and Lateral compartments of the leg</b>	<b>2</b>	<b>P</b>	10
0112ANT1LL15	Popliteal fossa	1	L	
0112ANT1LL16	assessment of previous topics	1	L	
0112ANT1LL17	Sciatic nerve	1	L	
0112ANT1LL18	Medial popliteal nerve & Lat popliteal nerve	1	L	10
<b>0112ANT2LL9</b>	<b>Popliteal fossa</b>	<b>2</b>	<b>P</b>	

0112ANT1LL19	Musculo-cutaneous nerve, Ant tibial nerve	1	L	11
0112ANT1LL20	Anterior tibial artery & Posterior tibial artery	1	L	
0112ANT2LL10	Ant tibial artery	1	P	
	Post tibial artery	1	P	
0112ANT1LL21	assessment of previous topics	1	L	
0112ANTLL122	Retinaculae in the region of the ankle	1	L	12
0112ANTLL123	Foot: aponesurosis, muscles of the sole	1	L	
0112ANT2LL11	Foot	2	P	
0112ANTLL124	Foot: muscles of the sole	1	L	
0112ANTLL125	Veins of the lower limb	1	L	
0112ANT2LL12	Veins of the lower limb	2	P	13
0112ANT1LL26	Lumbar plexus	1	L	
0112ANT1LL27	sacral plexus	1	L	
0112ANT1LL28	Knee joint	1	L	
0112ANT1LL29	Ankle Joint	1	L	14
0112ANT1LL30	Talocalcaneal joint, Midtarsal , inversion and eversion	1	L	
0112ANT1LL31	Revision	1	L	15

## EMBRYOLOGY

### General Embryology

0111EMB1GEN01	Review, anatomy of the male and female reproductive tracts	1	L	3
0111EMB1GEN02	Gametogenesis, oogenesis, spermatogenesis, abnormal gametes	1	L	4
0111EMB1GEN03	Hormonal control: Ovarian cycle	1	L	5
0111EMB1GEN04	Hormonal control: Menstrual cycle	1	L	
0111EMB1GEN05	Fertilization I: capacitation	1	L	6
0111EMB1GEN06	Fertilization II: abnormal implantation	1	L	
0111EMB1GEN07	Cleavage and blastocyst formation	1	L	7
0111EMB1GEN08	Bilaminar Embryonic disc	1	L	
0111EMB1GEN09	Trilaminar embryonic disc, primitive streak and mesoderm	1	L	8
0111EMB1GEN10	fate of germ layer: ectoderm (neural tube)	1	L	
0111EMB1GEN11	fate of germ layer: mesoderm	1	L	9
0111EMB1GEN12	fate of germ layer: endoderm (gut)	1	L	
0111EMB1GEN13	Embryo folding	1	L	10
0111EMB1GEN14	chorion and placenta I	1	L	
0111EMB1GEN15	chorion and placenta II	1	L	11
0111EMB1GEN16	amnion	1	L	
0111EMB1GEN17	yolk sac, allantois, umbilical cord	1	L	12
0111EMB1GEN18	teratology: ectocology	1	L	
0111EMB1GEN19	teratology: mechanism	1	L	13
0111EMB1GEN20	growth phase, multiple pregnancy	1	L	
0111EMB1GEN21	IVF I	1	L	14
0111EMB1GEN22	IVF II	1	L	

0111EMB1GEN23	Revision	1hr	L	15
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**First Year / Second Semester**

CODE	COURSE TITLE	TIME	hing Met	Week
<b>UPPER LIMB</b>				
0111ANT1UL01	Pectoral region Cutaneous nerve supply Platysma	1	L	1
0111ANT2UL01	The clavicle, scapula	1	P	
0111ANT1UL2	The female breast I	1	TBL	
0111ANT1UL3	The female breast II	1	TBL	
0111ANT1UL4	The pectoral muscles	1	L	
0111ANT2UL02	The female breast	1	P	
0111ANT1UL5	The Axilla I	1	TBL	2
0111ANT1UL6	The Axilla II	1	TBL	
0111ANT1UL7	The Axilla III	1	TBL	
0111ANT2UL03	The Axilla	1	p	
0111ANT1UL8	Superficial veins of the upper limb	1	L	
0111ANT1UL9	Quiz in all of the previous lectures	1	L	
0111ANT1UL10	The back: cutaneous nerve supply, muscles, Triangle of auscultation	1 1	GD GD	3
0111ANT2UL04	Humerus	1	p	
0111ANT1UL11	Shoulder region I	1	TBL	
0111ANT1UL12	Shoulder region II	1	TBL	
0111ANT1UL13	Intermuscular spaces	1	TBL	
0111ANT1UL14	Axillary nerve	1	L	
0111ANT2UL05	Shoulder	1	p	4
0111ANT1UL15	Suprascapular nerve & vessels Fracture of the surgical neck of humerus	1	L	
0111ANT1UL16	Anastomosis around the scapula	1	L	
0111ANT1UL17	The anterior compartment of The arm	1	L	
0111ANT1UL18	Median, Ulnar & Musculocutaneous nerves Brachial artery	1	L	
0111ANT2UL06	Anterior compartment of the arm	1	p	
0111ANT1UL19	The cubital fossa	1	L	5
0111ANT1UL20	Assessment Exam	1	L	
0111ANT1UL21	Posterior compartment of the arm: Triceps muscle Radial nerve Profunda brachii vessels	1	L	
0111ANT2UL07	Posterior compartment of the arm	1	p	
0111ANT1UL22	Front of the forearm: Superficial muscles Radial artery Ulnar artery Common Interosseous artery	1	L	

0111ANT1UL23	Median nerve in the forearm Ulnar nerve in the forearm Radial nerve in the forearm Deep muscles of the front of the forearm	1	L	
0111ANT1UL24	Back of the forearm: Superficial muscles	1	L	
<b>0111ANT2UL08</b>	<b>Radius ,Ulna</b>	<b>1</b>	<b>p</b>	6
0111ANT1UL25	Back of the forearm: Deep muscles	1	L	
0111ANT1UL25	Dorsum of the hand: Cutaneous nerve supply Dorsal venous network Extensor retinaculum	1	L	
0111ANT1UL26	<del>Palm of the hand: Cutaneous innervation</del> Flexor retinaculum & carpal tunnel	1	L	
0111ANT1UL27	Palmar aponeurosis The fibrous flexor sheaths	1	L	
<b>0111ANT1UL09</b>	<b>Muscles of the forearm</b>	<b>1</b>	<b>p</b>	7
0111ANT1UL28	Thenar muscles Hypothenar muscles	1	L	
0111ANT1UL29	Median nerve in the hand Ulnar nerve in the hand Radial artery in the palm Deep veins of the palm	1	L	
0111ANT1UL30	Radial artery in the palm Deep veins of the palm	1	L	
0111ANT1UL31	Lumbrical muscles Interossei muscles Fascial spaces in the palm	1	L	
<b>0111ANT2UL10</b>	<b>The hand</b>	<b>1</b>	<b>p</b>	
0111ANT1UL32	Lymph nodes & vessels of the upper limb	1	L	8
0111ANT1UL33	Joints of the upper limb: Shoulder joint	1	CBL	
0111ANT1UL34	Elbow joint	1	CBL	
<b>0111ANT2UL11</b>	<b>Vessels of the upper limb</b>	<b>1</b>	<b>p</b>	
0111ANT1UL35	Radioulnar joints	1	CBL	
0111ANT1UL36	Wrist joint	1	CBL	
0111ANT1UL37	Big nerves of the upper limb Musculocutaneous nerve	1	CBL	9
0111ANT1UL38	Median nerve	1	L	
0111ANT1UL39	Ulnar nerve	1	L	
0111ANT1UL40	Radial nerve	1	L	
0111ANT1UL41	Nerve Injury	1	L	
<b>0111ANT2UL12</b>	<b>Nerves of the upper limb</b>	<b>1</b>	<b>P</b>	
<b>HEAD AND NECK</b>				
0112ANT1H&N01	Norma frontalis + lateralis	1	L	10
0112ANT1H&N02	Norma occipitalis + basalis externa	1	L	
<b>0112ANT2H&amp;N01</b>	<b>Skull : Norma frontalis &amp; occipitalis</b>	<b>2</b>	<b>P</b>	
0112ANT1H&N03	Scalp	1	L	

0112ANT2H&N02	Skull : Norma Lateralis & Norma Basalis Externa	2	P	11
0112ANT1H&N04	Face I	1	L	
0112ANT1H&N05	Face II	1	L	
0112ANT1H&N06	Parotid gland	1	L	
0112ANT2H&N03	Skull: Norma Basalis interna, Mandible	2	P	12
0112ANT1H&N07	Dural folds	1	L	
0112ANT1H&N08	Dural sinuses	1	L	
0112ANT1H&N09	Cavernous sinus + Middle meningeal artery	1	L	
0112ANT2H&N05	Face, Parotid gland	2	P	
0112ANT1H&N10	Dipolic vein, emissary vein, bony orbit	1	L	13
0112ANT1H&N11	Intraorbital muscle, lacrimal apparatus	1	L	
0112ANT1H&N12	Structures passing through s of, eye lid	1	L	
0112ANT1H&N13	Temporal and infra temporal fossa	1	L	
0112ANT1H&N14	Pterygopalatine fossa + mandibular nerve	1	L	
0112ANT1H&N15	Maxillary Aartery & Maxillary nerve Temporomandibular joint	1	L	14
0112ANT1H&N16	Neck: superficial and deep fasia, platysma	1	L	
0112ANT1H&N17	Posterior triangle	1	L	
0112ANT1H&N18	Suprahyoid region + submandibular gland	1	L	
0112ANT2H&N06	Posterior triangle	2	P	
0112ANT1H&N19	Infrahyoid region + thyroid gland	1	L	15
0112ANT2H&N07	Anterior triangle	2	P	
0112ANT1H&N20	Styloid process and prevertebral region	1	L	
0112ANT2H&N08	Submandibular gland, suprahyoid region	2	P	
0112ANT1H&N21	Muscles of the back & suboccipital triangle	1	L	
0112ANT2H&N09	Thyroid gland, Infrahyoid region	2	P	16
0112ANT2H&N10	Revision	2	P	
0112ANT1H&N22	revision	1	L	

### Second Year / First Semester

CODE	COURSE TITLE	TIME	hing Met	WEEK
<b>Digestive system</b>				
0122ANT1AL01	Ant & lat Abdominal wall I	1	L	1
0122ANT1AL02	Ant & lat Abdominal wall II	1	L	
0122ANT2AL01	Abdominal wall	2	P	
0122ANT1AL03	Inguinal Hernia	1	GD	2
0122ANT1AL04	post abdominal wall I: fascia & Muscle	1	L	
0122ANT1AL05	Post abdominal wall II: N, B S & lymph V	1	L	
0122ANT1AL06	Mouth, palate	1	L	
0122ANT1AL07	pharynx	1	L	
0122ANT1AL08	Diaphragm	1	L	

0122ANT1AL09	Peritoneum I	1	L	3
0122ANT1AL10	Peritoneum II	1	L	
0122ANT2AL03	Diaphragm, peritoneum	2	P	
0122ANT1AL11	Oesophagus	1	L	
0122ANT1AL12	Stomach (Problem solving)	1	PS	4
0122ANT1AL13	Duodenum	1	L	
0122ANT1AL14	small intestine	1	L	
0122ANT1AL15	pancreas	1	L	
0122ANT2AL02	Lumbar vertebrae	1	P	
0122ANT2AL03	Sacrum	1	P	5
0122ANT1AL16	Liver	1	L	
0122ANT1AL17	Gall bladder & bile duct	1	L	
0122ANT1AL18	Appendix	1	GD	
0122ANT2AL04	stomach	1	P	
0122ANT2AL05	duodenum	1	P	6
0122ANT2AL06	other viscera	2	P	
0122ANT1AL19	spleen	1	L	
0122ANT1AL20	Gall bladder & bile duct	1	PS	7
0122ANT1AL21	Blood Supply of the gastrointestinal tract	1	L	
0122ANT2AL06	Abdominal vessels	2	P	8
<b>Embryology</b>				
0121ANT1AL22	Larynx	1	L	9
0121ANT1AL23	Fore gut: Oesophagus, stomach & duodenum	1	L	9
0121ANT1AL24	Branchial Arches	1	L	10
0121ANT1AL25	Development of the tongue, palate	1	L	11
0121ANT1AL26	Intestinal Loop	1	L	12
0121ANT1AL27	Hind gut	1	L	13
0121ANT1AL28	Liver, gall bladder and spleen	1	L	14
0121ANT1AL29	Pancreas	1	L	15

### Second Year / Second Semester

CODE	COURSE TITLE	TIME	hing Met	WEEK
<b>CardioVascular System</b>				
0121ANT1CV01	Thoracic wall	1	L	1
0121ANT1CV02	Bony Thorax I	1	L	
0121ANT1CV03	Division of Mediastinum Superior Mediastinum	1	L	
0121ANT1CV04	Superior Mediastinum	1	L	
0121ANT1CV05	Ant, Middle Mediastinum, pericardium	1	L	
0121ANT1CV06	Surface Antomy of the Heart, External features	1	L	2
0121ANT2CV01	Bony Thorax	2	p	
0121ANT1CV07	Chambers of the Heart	1	L	

0121ANT1CV08	Valves of the Heart, conducting system	1	L	3
0121ANT2CV02	Superior Mediastinum	2	p	
0121ANT1CV09	Blood supply of the heart	1	L	
0121ANT1CV10	Great vessels: Ascending Aorta, Pulmonary artery, SVC, Phrenic Nerves	1	L	4
0121ANT2CV03	Heart (External and Internal Features)	2	p	
0121ANT1CV11	Post Mediastinum (Oesophagous, Descending Aorta)	1	L	5
0121ANT1CV12	Azygous Venous System, Lymphatic system, Nerves of the thorax	1	L	
0121ANT2CV04	Blood supply of the heart, Chest CT	2	p	
0121ANT1CV13	Revision of Blood Supply	1	L	6
0121ANT1CV14	Development of primitive Heart	1	L	
0121ANT2CV05	Posterior Mediastinum	2	p	
0121ANT1CV15	Septation of the developing Heart Development of the valves, pericardium	1	L	7
0121ANT1CV16	Congenital anomalies of Heart, Development of blood vessels Congenital Anomalies of blood vessles Fetal & neonatal circulation	1	L	
0121ANT2CV06	REVISION	2	p	
<b>Respiratory System</b>				
0121ANT1RP01	Inercostal spaces: Muscles, N& V	1	L	7
0121ANT1RP02	Nose	1	L	8
0121ANT2RP01	Ribs & sternum	2	P	
0121ANT1RP03	Palate	1	L	
0121ANT1RP04	Palate & Nose	2	P	9
0121ANT1RP05	Pharynx Revision	1	L	
0121ANT1RP06	Paranasal sinuses	1	L	
0121ANT1RP07	Larynx	1	L	10
0121ANT1RP08	Trachea( cervical & thoracic)	1	L	
0121ANT2RP02	Trachea	1	p	
0121ANT2RP03	Larynx	1	P	11
0121ANT1RP09	Ear	1	L	
0121ANT2RP04	Ear	2	P	
0121ANT1RP10	Lungs	1	L	12
0121ANT1RP11	pleura	1	L	
0121ANT2RP05	Lungs	2	P	

0121ANT1RP12	Nerves of the thorax (Phrenic N, Vagus, autonomic)	1	L	
0121ANT1RP13	Joints of thoracic cage, lymphatics	1	L	13
0121ANT1RP14	Development	1	L	
0121ANT1RP15	Respiratory movement	1	L	
<b>Urinary System</b>				
0121ANT1RN01	Kidney& suprarenal gland	1	L	14
0121ANT1RN02	Ureter	1	L	15
0121ANT1RN03	Urinary bladder & urethra	1	L	
<b>0121ANT2RN01</b>	<b>Kidney,ureter</b>	<b>1</b>	<b>P</b>	
0121ANT1RN04	Development of kidney	1	L	16
0121ANT1RN05	Development of urinary bladder & urethra	1	L	
0121ANT1RN06	Revision	1	L	
<b>0121ANT2RN02</b>	<b>Urinary bladder &amp; urethra</b>	<b>1</b>	<b>P</b>	

### Third Year / First Semester

CODE	COURSE TITLE	TIME	hing Met	WEEK
<b>NEUROSCIENCE</b>				
0122ANT1NS01	Introduction	1	L	1
0122ANT1NS02	Gross Anatomy Brain	1	L	
0122ANT1NS03	Cerebral hemisphere	1	L	
0122ANT1NS04	Cortical Area	1	GD	
<b>0122ANT2NS01</b>	<b>Cerebral hemisphere</b>	<b>2</b>	<b>p</b>	
0122ANT1NS05	Brain stem, spinal cord	1	L	2
0122ANT1NS06	Blood supply of the brain I	1	L	
0122ANT1NS07	Blood supply of the brain II	1	L	
0122ANT1NS08	Brain venticlesI	1	L	
0122ANT1NS09	Brain venticlesII	1	L	
<b>0122ANT2CS02</b>	<b>Brain stem</b>	<b>1</b>	<b>p</b>	
<b>0122ANT2CS03</b>	<b>Brain Ventricles</b>	<b>1</b>	<b>p</b>	3
0122ANT1CS10	Meninges and CSFcirculation	1	GD	
0122ANT1CS11	Cranial nerves I	1	L	
0122ANT1CS12	Cranial nerves II	1	L	
0122ANT1CS13	Cranial nerves III	1	L	
0122ANT1CS14	Cranial nerves IV	1	L	
0122ANT2CS04	Cranial nerves	2	p	4
0122ANT1CS15	Basal ganglia	1	GD	
0122ANT1CS16	Fibers of the cerebrum	1	L	
0122ANT1CS17	Hippocampus	1	L	
<b>0122ANT2CS05</b>	<b>Coronal section</b>	<b>2</b>	<b>p</b>	
0122ANT1CS18	Cerebellum	1	L	5



0122ANT1CS19	Pathway	1	L	
0122ANT1CS20	Pathway	1	L	
0122ANT1CS21	Thalames & Hypothalamus I	1	L	
0122ANT1CS22	Internal capsule I	1	L	6
0122ANT2CS06	Cerebellum,,Thalames & Hypothalamus	2	p	
0122ANT1CS23	Brain stem, spinal cord I	1	L	
0122ANT1CS24	Brain stem, spinal cord II	1	L	
0122ANT2CS07	CT-scan,, Revision	2	p	7
0122ANT1CS25	Optic nerve & visual pathway	1	GD	
0122ANT1CS26	Olfactory system	1	L	
<b>Embryology</b>				
0122ANT1CS27	Development of the central nervous system	1	L	8
0122ANT1CS28	Development of spinal cord	1	L	
0122ANT1CS29	Development of brain	1	L	
0122ANT1CS30	Development of medulla and pons	1	L	
0122ANT1CS31	Development of cerebellum and midbrain	1	L	9
0122ANT1CS32	Diencephalon and Telencephalon	1	L	
0122ANT1CS33	Meninges and cranial nerves	1	L	
0122ANT1CS34	Congenital anomalies of brain and spinal cord	1	L	
<b>REPRODUCTIVE</b>				
0122ANT1REP01	Pelvic wall, pelvic floor , pelvic fascia	1	L	10
0122ANT1REP02	uterine support	1	GD	
0122ANT1REP03	Pelvic peritoneum, Rectum and anal canal ☐	1	L	
0122ANT1REP04	Ischiorectal Fossa	1	GD	
0122ANT2REP01	Pelvic wall,male genital system	2	p	11
0122ANT1REP05	Male, Female genital system	1	L	
0122ANT1REP06	Urogenital Traingle,Pudendal nerve, vessles	1	L	
0122ANT2REP02	Femle genital system,pelvic vessles	2	p	12
0122ANT1REP07	Development of gonads	1	L	
0122ANT1REP08	Duct system,external genitalia	1	L	
0122ANT2REP03	revision	2	P	13