

Course Title:	Anatomy with embryology and basic genetics
Coordinator /contact:	Prof. dr hab. Jerzy Walocha e-mail: j.walocha@uj.edu.pl
Responsible person/contact:	Dr n.med. Małgorzata Mazur\ malg.mazur@uj.edu.pl
Address:	Chair of Anatomy, Kopernika 12 street
Year:	1-DDS
Total number of hours:	159
Lectures:	45
Seminars:
Labs/Practicals:	114
Others (e.g. recitation):
Exams:	4
Conduct/Dress Code:	White lab coat and single-use gloves
Student's Evaluation: -credit requirements:	

Several mid-semester tests will take place following the syllabus

The tests will consist of two parts :

a). the laboratory part (identification of parts of organs) –**20 questions** (you can receive maximally 2 points for each well recognized specimen). There is 30 seconds per each specimen for its recognition during a mid-semester test and during the final exam. IN PERSON (in dissection rooms).

Passing the laboratory part **is NOT a prerequisite** for participation in the second part of the mid-semester test.

The list of specimens placed in the end of syllabus is a **supplementary** list only (it is only a help for the Students), so both during the mid-semester and final practical exams, some extra specimens (out of the list) can be used.

b). the theoretical part (TEST : multiple choice, matching, etc.) - **60 questions** (1 point for each correct answer). The test lasts 90 minutes. Question will be based on lectures , labs and a few from obligatory readings. Each student will receive confidential code number. ONLINE

Results of the test are available on the web-page of the Chair of Anatomy (www.katedra-anatomii.cm-uj.krakow.pl)→

STUDENCI → dentistry

Only Students who have received at least **50%** from all mid-semester tests (**average**, including both theoretical and practical, counted together)are allowed to take the final anatomy exam (both practical exam and the test).

A Student can be exempted from the final anatomy exam if the results of all mid-semester tests (**including both practical and theoretical tests**) AVERAGE- exceed **90%**.

A Student is exempted from the final practical exam if results of **all practical mid-semester tests** exceed **80% (average)**.

To pass the final exam one should receive at least 50% on practical final and 50 % on theoretical final, separately.

-type of the final exam:

The final exam, held in June, is **the ultimate basis for the completion of the course. Evaluation of the anatomy & embryology course is based on the results of the final exam, however we consider also the results of the mid-semester tests.**

The final exam, covering the whole material of the course consists of two parts :

(a) **The laboratory part** : identification of specific structures shown on cadavers or radiograms (head and neck); their parts; separate organs or bones. (30 questions – 2 : bones; 6 : skull; 2 : upper & lower limb; 2 : thorax; 2 : abdomen & pelvis; 12 : head & neck; 4 – central nervous system). IN PERSON (in dissection rooms).

Passing the laboratory part is NOT a prerequisite for participation in the second part of the final exam .

(b) **The theoretical part** (multiple choice test, matching, etc.)

The test consists of 100 questions which cover the whole material of the course and include also embryology problems (80% of questions is based on the material on Head, neck, skull and central nervous system).

-retake information:

The make-up exam has the same form but the test consists of 60 questions (multiple choice and matching)(September 2026)

Teachers: Prof.dr hab.n.med Jerzy Walocha , dr n.med. Małgorzata Mazur

Date	Day	Time	Type of classes	NO of hours	Group	Topic	Teacher	Place
29.09.25	Mo	9.45-11.15	lab	2	1,2	Vertebral column – General characteristics of a vertebra. Cervical, thoracic, lumbar vertebrae. Sacrum, coccyx. Intervertebral disc. Joints of vertebral column. Atlanto-occipital joints. Atlanto-axial joints. Curves of vertebral column.	Prof. Walocha, dr Mazur	Dissection room 1,3
		12.15-13.45	lec	2	All class	Connective Tissue : general structure of the bone, Biological &	Prof.Walocha	online

						mechanical properties of bones. Classification of bones. Joints : fibrous, cartilaginous & synovial joints.		
1.10.25	Wed	10-11.30	lab	2	1,2	Ribs. Sternum. The thoracic cage. Bones of the shoulder girdle: scapula, clavicle. Acromioclavicular, sternoclavicular joint. Humerus. Shoulder joint. Radius. Ulna. Bones of the hand. Elbow joint. Wrist joint. The carpal tunnel. The hand as a functional unit.	Prof.Walocha , dr Mazur	Dissection rooms 1,3
6.10.25	Mo	9.45-11.15	Lab	2	1,2	The bony pelvis. Hip bone. Sacroiliac joints. Symphysis pubis. Greater & lesser sciatic foramina. Inguinal ligament. Sex differences of the pelvis. Femur. Hip joint. Acetabulum. Tibia. Fibula. Patella. Knee joint. (intra- & extracapsular ligaments) Menisci. Bones of the foot. Ankle joint.	As above	Dissection room1,3
		12.15-13.45	lec	2	Whole class	Vascular system: Heart. Blood vessels. Lymphatic system. Muscles and Structures Associated with Muscles.	Prof.Walocha	online
8.10.25	Wed	10-11.30	lab	2	1,2	Bones of the Neurocranium. Frontal Bone. Occipital Bone. Sphenoid bone.	Prof.Walocha , Dr Mazur	Dissection room 1,3
13.10.25	Mo	9.45-11.15	Lab	2	1,2	Ethmoid Bone. Parietal Bone. Temporal Bone. Review of the specimens.	As above	As above
		12.15-13.45	lec	2	Whole class	Divisions of the skull. Development of the skull. Openings in the skull-communication and contents.	As above	online
15.10.25	Wed	10-11.30	lab	2	1,2	Bones of the Visceral Cranium. Mandible. Hyoid	As above	Dissection room 1,3

						Bone. Maxilla. Palatine Bone. Inferior Nasal Concha. Lacrimal Bone. Vomer. Zygomatic Bone. Zygomatic and mandible fractures.		
20.10.25	Mo	9.45-11.15	Lab	2	1,2	Anterior, middle , posterior cranial fossae. Temporal, infratemporal, retromandibular and pterygopalatine fossae.	As above	As above
		12.15-13.45	Lec	2	Whole class	The Ear: External Ear. Middle Ear (Tympanic Cavity). Inner Ear (Osseous Labyrinth).	Prof.Walocha	online
22.10.25	Wed	10-11.30	lab	2	1,2	Orbital, nasal and oral cavity.	As above	Dissection room1,3
27.10.25	Mo	9.45-11.15	Lab	2	1,2	Practical review	As above	As above
		12.15-13.45	lec	2	Whole class	Test on Osteology and skull(60 questions)	As above	online
29.10.25	Wed	10-11.30	lab	2	1,2	Practical exam on osteology and skull(20 questions)	As above	Rooms 1-5
3.11.25	Mo	9.45-11.15	Lab	2	1,2	Spinal cord, brainstem, medulla oblongata, midbrain.	As above	Room 1,3
		12.15-13.45	lec	2	Whole class	Introduction into the anatomy of the Nervous system.Divisions of the nervous system. Neurons.Central, peripheral and autonomic nervous system.	As above	online
5.11.25	Wed	10-11.30	lab	2	1,2	Exit of the cranial nerves from brain. Brainstem and its relation with the cerebellum, Cerebellum. Interbrain. 3 rd and 4 th ventricles.	As above	Rooms 1,3
12.11.25	Wed	10-11.13	lab	2	1,2	Telencephalon(hemisphere). Brodman areas. Blood supply of the brain	As above	As above

17.11.25	Mo	9.45-11.15	Lab	2	1,2	Practical review	As above	As above
		12.15-13.45	lec	2	Whole class	Motor and sensory tracts	As above	online
19.11.25	Wed	10-11.30	lab	2	1,2	Practical review	As above	Rooms 1,3
24.11.25	Mo	9.45-11.15	Lab	2	1,2	Practical review	As above	As above
		12.15-13.45	lec	2	Whole class	Test on CNS (60 questions)	As above	online
26.11.25	Wed	10-11.30	lab	2	1,2	Practical exam on CNS(20 questions)	As above	Rooms 1-5
1.12.25	Mo	9.45-11.15	Lab	2	1,2	Muscles of the neck and nuchal region. Cervical plexus	As above	Rooms 1,3
		12.15-13.45	lec	2	Whole class	The orbit and its walls. Structure of the Eyeball. Nerve & blood supply of the eyeball. Ciliary ganglion. Nerve & blood supply of the eyeball. Ciliary ganglion. The accessory organs of the eyeball (muscles, eyelids, lacrimal apparatus). Optic nerve Oculomotor nerve. Trochlear nerve. Abducent nerve. Clinical notes : Horner's syndrome. Crocodile tears syndrome. Glaucoma. Cataract. Retinal detachment	As above	online
3.12.25	Wed	10-11.30	lab	2	1,2	Surface anatomy of the neck. Triangles of the neck. Thyroid gland. Parathyroid glands.	As above	Rooms 1,3
8.12.25	Mo	9.45-11.15	Lab	2	1,2	Vagus nerve, accessory nerve, hypoglossal nerve and sympathetic trunk(cervical part). External and internal carotid arteries, external and internal jugular veins. Eyeball practically.	As above	As above
		12.15-13.45	lec	2	Whole class	The Ear (external, middle	As above	online

						& internal). Vestibulocochlear nerve. Temporomandibular joint. Clinical notes : Hyperacusis. Otosclerosis. Conductive deafness. Otitis media. Meniere's disease (labyrinthine hydrops).		
10.12.25	Wed	10- 11.30	lab	2	1,2	Larynx- structure, blood and nerve supply, lymph drainage .Auricle features .	As above	Rooms 1.3
15.12.25	Mo	9.45- 11.15	Lab	2	1,2	Blood and nerve supply of the face. Facial artery and nerve. Muscles of the facial expression. Parotid gland.	As above	As above
		12.15- 13.45	lec	2	Whole class	Head and neck development.	Dr Mazur	online
17.12.25	Wed	10- 11.30	lab	2	1,2	Dura mater venous sinuses. Venous drainage of the head. Blood & nerve supply of the meninges.	As above	Rooms 1.3
12.01.26	Mo	9.45- 11.15	Lab	2	1,2	Oral cavity.Teeth.Gingiva. The tongue	As above	As above
		12.15- 13.45	lec	2	Whole class	Development of the face and teeth.	As above	online
14.01.26	Wed	10- 11.30	lab	2	1,2	Maxillary artery. Maxillary nerve.	As above	Rooms 1,3
19.01.26	Mo	9.45- 11.15	Lab	2	1,2	Mandibular division of trigeminal nerve.Muscles of mastication.	As above	As above
		12.15- 13.45	lec	2	Whole class	Communication of the pterygopalatine and infratemporal fossa (clinical correlation)	As above	online
21.01.26	Wed	10- 11.30	lab	2	1,2	Nasal cavity- walls, nerve & blood supply. Paranasal sinuses-practically	As above	Rooms 1,3
26.01.26	Mo	9.45- 11.15	Lab	2	1,2	Practical review	As above	As above
		12.15- 13.45	lec	2	Whole class	Test on head and neck(60 questions)	As above	online
28.01.26	Wed	10- 11.30	lab	2	1,2	Practical exam on head and neck(20 questions)	As above	Rooms 1- 5

2.03.26	Mo	9.45-11.15	Lab	2	1,2	Thoracic walls- muscles, vessels , nerves. The diaphragm. Mediastinum.	Prof .Walocha, dr Mazur	Dissection rooms 1,3
		12.15-13.45	lec	2	Whole class	Pericardium. Conducting system of the heart. Arterial supply and venous drainage of the heart.	Prof Walocha	online
4.03.26	Wed	10-11.30	lab	2	1,2	Lungs and heart	Prof.Walocha, dr Mazur	Rooms 1,3
9.03.26	Mo	9.45-11.15	Lab	2	1,2	Large vessels of the thorax: SVC, IVC, Aorta, pulmonary trunk, Pulmonary veins.	As above	As above
		12.15-13.45	lec	2	Whole class	Nerves of upper limb	As above	online
11.03.26	Wed	10-11.30	lab	2	1,2	Azygos veins. Vagus & phrenic nerves. Thoracic part of ST.	As above	Rooms 1,3
16.03.26	Mo	9.45-11.15	Lab	2	1,2	Muscles of the shoulder girdle and arm.	As above	As above
		12.15-13.45	lec	2	Whole class	Vascular system of upper limb	As above	online
18.03.26	Wed	10-11.30	lab	2	1,2	Muscles of forearm and hand	As above	Rooms 1,3
23.03.26	Mo	9.45-11.15	Lab	2	1,2	Nerves of upper limb .	As above	As above
		12.15-13.45	lec	2	Whole class	Spaces of the upper limb.	As above	online
25.03.26	Wed	10-11.30	lab	2	1,2	Arterial and venous blood supply of upper limb.	As above	Rooms 1,3
30.03.26	Mo	9.45-11.15	Lab	2	1,2	Practical review on thorax and upper limb.	As above	As above
		12.15-13.45	lec	2	Whole class	Vascular system of abdomen and pelvis Portal circulation.	As above	online
8.04.26	Wed	10-11.30	lab	2	1,2	Walls of abdomen and pelvis.Peritoneum.	As above	Rooms 1,3
13.04.26	Mo	9.45-11.15	Lab	2	1,2	Gastrointestinal tract-esophagus, stomach, small and large intestine.	As above	As above

		12.15-13.45	lec	1	Whole class	Liver.Gallbladder. Abdominal cavity- mini quiz	As above	online
15.04.26	Wed	10-11.30	lab	2	1,2	Retroperitoneal space, kidneys, suprarenal glans, ureters, abdominal aorta, IVC.	As above	Rooms 1,3
20.04.26	Mo	9.45-11.15	Lab	2	1,2	Rectum. Urinary bladder. Urinary tract	As above	As above
		12.15-13.45	lec	2	Whole class	Blood supply of pelvic cavity organs.	As above	online
22.04.26	Wed	10-11.30	lab	2	1,2	Practical review on abdomen and pelvis	As above	Rooms 1,3
27.04.26	Mo	9.45-11.15	Lab	2	1,2	Muscles of the lower limb	As above	As above
29.04.26	Wed	10-11.30	lab	2	1,2	Nerves of the lower limb	As above	Rooms 1,3
4.05.26	Mo	9.45-11.15	Lab	2	1,2	Vessels of the lower limb.	As above	As above
		12.15-13.45	lec	2	Whole class	Arteries of the lower limb – clinical correlations. Muscles. Superficial veins and lymphatic drainage of the upper limb – clinical correlations.	As above	online
6.05.26	Wed	10-11.30	lab	2	1,2	Practical review on lower limb	As above	Rooms 1,3
11.05.26	Mo	9.45-11.15	Lab	2	1,2	Practical review(thorax)	As above	As above
13.05.26	Wed	10-11.30	lab	2	1,2	Practical review(upper limb)	As above	Rooms 1,3
18.05.26	Mo	9.45-11.15	Lab	2	1,2	Practical review(abdomen)	As above	As above
20.05.26	Wed	10-11.30	lab	2	1,2	Practical review(pelvis)	As above	Rooms 1,3

25.05.26	Mo	9.45-11.15	Lab	2	1,2	Practical review(lower limb)	As above	As above
27.05.26	Wed	10-11.30	lab	2	1,2	Practical review	As above	Rooms 1,3
1.06.26	Mo	9.45-11.15	Lab	2	1,2	Practical review	As above	As above
		12.15-13.45	lec	2	Whole class	Test on thorax, upper limb, abdomen, pelvis and lower limb(60 questions)	As above	online
3.06.26	Wed	10-11.30	lab	2	1,2	Practical exam on thorax etc (20 questions)	As above	Rooms 1-5
8.06.26	Mo	9.45-11.15	Lab	2	1,2	Final practical review	As above	Rooms 1,3
17.06.26	Wed	10-11.30	lab	2	1,2	Final practical review	Dr Mazur	Rooms 1,3
24.06.26	Wed	10-11.30	lab		1,2	FINAL PRACTICAL EXAM	As above	Rooms 1-5
26.06.26	Fri	8.00	lec		Whole class	FINAL TEST	As above	online

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--