Course Title: Anatomy & embryology
Coordinator /contact: Prof. Jerzy Walocha /e-mail: jwalocha@poczta.onet.pl
Responsible person/contact: Dr Grzegorz Goncerz /e-mail: goncerz@mp.pl
Address: **Department of Anatomy**, 12, Kopernika St.
Year: 1–6
Total number of hours: **180**
lectures: 60
seminars/labs/practicals: 116
exams: 4
Conduct/Dress Code: white coat

Student's Evaluation:

1. Credit requirements

The whole material of the course has been divided into 5 parts including:
1) general anatomy (incl. osteology and arthrology), skull
2) head and neck; central nervous system
3) thorax, upper limb
4) abdomen and pelvis; lower limb
5) embryology.

CAUTION: During the course of anatomy, the student is supposed to have the knowledge acquired from all previous practical and theoretical classes.

Much of the course work is carried out in the dissection rooms. Student will need to provide and bring a clean white lab coat to the dissection room, with name on the front where it can be read by staff, and wear it always in the dissection room. Unauthorized persons are not allowed to enter the dissection rooms.

The mid-semestral tests will take place according the following schedule.

Tests 1–4 will consist of two parts:

a) laboratory (identification of parts of organs) – 15 questions (for each correct answer one can receive maximally 1 point). There is 30 seconds per each specimen for its recognition during a mid-semestral test and 45 seconds during the final exam.

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

b) theoretical (multiple choice test, matching, etc.) – 35 questions. For each correct answer you receive 1 point.

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-semestral and final practical exams specimens out of the list can be used.

The mid-semestral test 5 (embryology) will consist of 50 theoretical questions.

It is not possible to postpone a mid-semestral test.

Only students who received 125 points (50%) of all mid-semestral tests get the credit and are allowed to take the final exam.

2. Attendance requirements

Participation in classes (NOT in the lectures ☺) is obligatory.

Maximum six absences per two semesters are allowed – **student who exceeds the allowed number of six absences fails to get the credit and must repeat the course in the following year.**

3. Type of the final exam

The final exam, held in April, is the ultimate basis for the completion of the course.

Only students who have not exceeded the allowed number of absences and have received 125 points (50%) of all tests are allowed to take the final exam.

Evaluation of the anatomy course is based on the results of the final exam, however we consider also the results of the mid-semestral tests.

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

a) laboratory: identification of specific structures shown on cadavers; their parts; separate organs or bones (20 questions: bones (3), skull (1), upper & lower limb (4), thorax (2), abdomen & pelvis (3), head & neck (3), central nervous system (4).

Passing the laboratory part is NOT a prerequisite for participation in the second part of the final exam!!! This rule is valid for the make-up exam, as well.

b) theoretical: (multiple choice test, matching, etc., similar form to the mid-semestral tests). Questions may also include problems based on histology and embryology. The test consists of 100 questions which cover the whole theoretical material.

Grading system for the final exam is as follows:
– very good (5.0) approximately ≥90% of all available points
– good plus (4.5) ≥80%
– good (4.0) ≥70%
– satisfactory plus (3.5) ≥60%
– satisfactory (3.0) ≥50%
– failed (2,0) <50%.

A Student is exempted from the final practical exam if results of practical mid-semestral tests exceed 90%.

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

The final grade consists of: value of points received during final practical + number of points received during final test and a bonus points (1 point for 150 points and 1 for each next 10 points above) received during the mid-semestral tests, i.e. a Student A received 168 points during all six mid-semestral tests, later on the final practical exam he (she) received 28 points out of 40 and on the final test 68 points out of 100. His (her) final grade is: 2 (18 points above 150) + 28 + 65 = 95 points (63,3%) = satisfactory plus

4. Retake information

The make-up exam (held in September) has a form of both practical exam and test. The test consists of 60 questions (multiple choice and matchings). Students who passed practical exam during first option DO NOT have to repeat it in September

	Day	Time	Type of classes	hrs	Gr	Topic	Teacher	Place
Week Sept 2	Fri				Whole class	**Orientation day**	Prof. Jerzy Walocha	Department of Anatomy 12 Kopernika st
Week Sept 5-12	Mon	14:30-16:00	lecture	2	Whole class	Introduction. Development periods. Gametogenesis. Cell divisions (mitosis, meiosis). Primodial germ cells. Conversion into male and female gametes.	Dr Wiesława Klimek-Piotrowska	ALH
	Tu	14:30-16:00	Lab/ seminar	2	I, II, III, IV, V, VI	Anatomical terms related to position & movement. Connective tissue: general structure of the bone. Biological & mechanical properties of bones. Bone development. Classification of bones. Joints: fibrous, cartilaginous & synovial joints. General structure of synovial joint - types of synovial joints.	Dr Wiesława Klimek-Piotrowska, Dr Tomasz Iskra Dr Małgorzata Mazur Prof. Jerzy Walocha Dr Marcin Kuniewicz/Dr Izabela Mróz Dr Grzegorz Goncerz	**Diss. Rooms:** **6** (I group) **7** (II group) **8** (III group) **1** (IV group) **3** (V group) **4** (VI group)
	Wed	14:30-16:00	Lab/ seminar	2	I, II, III, IV, V, VI	Vertebral column. General characteristics of a vertebra. Cervical, thoracic, lumbar vertebrae. Sacrum, coccyx. Intervertebral disc. Joints of vertebral column. Atlanto-occipital joints. Atlantoaxial joints. Curves of vertebral column. Ribs. Sternum. The thoracic cage. Bones of the shoulder girdle: scapula and clavicle. Acromioclavicular and Sternoclavicular joints.	As above	As above
	Thu	14:30-16:00	Lecture	2	Whole class	Uterus. Uterine tube. Ovary. Oogenesis. Female reproductive cycles. Ovulation. Testis. Spermatogenesis. Sperm. Sperm maturation. Fertilization. Formation of blastocyst. Implantation.	Dr Marta Bałajewicz Nowak	ALH

	Fri	14:30-16:00	Lab/ seminar	2	I, II, III, IV, V, VI	Humerus. Shoulder joint. Radius. Ulna. Bones of the hand. Elbow joint. Wrist joint. The carpal tunnel. The hand as a functional unit.	As above	As above
Week Sept 12-16	Mon	14:30-16:00	lecture	2	Whole class	Formation of the bilaminar germ disc. Yolk sac development. Trilaminar germ disc. Gastrulation. Neurulation. Development of the somites. Formation of the notochord. Early development of cardiovascular system. Phases of embryonic development. Folding of the embryo.	Dr Wiesława Klimek-Piotrowska	ALH
	Tu	15:00-16:30	Lecture	2	Whole class	Skeletal system development		ALH
	Wed	12:30-14:45	Lab/ seminar	3	IV-VI	The bony pelvis. Hip bone. Sacrum. Coccyx. Sacroiliac joints. Symphysis pubis. Greater & lesser sciatic foramina. Inquinal ligament. Sex differences of the pelvis. Femur. Acetabulum. Hip joint.	As above	As above
		15:00-17:15	Lab/ seminar	3	I-III	The bony pelvis. Hip bone. Sacrum. Coccyx. Sacroiliac joints. Symphysis pubis. Greater & lesser sciatic foramina. Inquinal ligament. Sex differences of the pelvis. Femur. Acetabulum. Hip joint.	As above	As above
	Thu	15:00-16:30	lecture	2	Whole class	Development of the nervous system.	Prof. Jerzy Walocha	ALH
	Fri	12:30-14:45	Lab/ seminar	3	IV-VI	Tibia. Fibula. Patella. Knee joint. (intra- & extracapsular ligaments) Menisci. Bones of the foot. Ankle joint. Tarsal joints. The foot as a functional unit.	As above	As above
		15:00-17:15	Lab/ seminar	3	I-III	Tibia. Fibula. Patella. Knee joint. (intra- & extracapsular ligaments) Menisci. Bones of the foot. Ankle joint. Tarsal joints. The foot as a functional unit.	As above	As above
Week Sept 19-23	Mon	10:30-12:00	Lecture	2	Whole class	Development of the head and neck	Prof. Jerzy Walocha	AHL
		12:30-14:45	Lab/ seminar	3	IV-VI	Divisions of the skull. Bones of the neurocranium. Frontal bone, occipital bone, sphenoid bone, ethmoid bone, parietal bone.	As above	As above
		15:00-17:15	Lab/ seminar	3	I-III	Divisions of the skull. Bones of the neurocranium. Frontal bone, occipital bone, sphenoid bone, ethmoid bone, parietal bone.	As above	As above
	Tu	15:00-16:30	Lecture	2	Whole class	Heart development.	Dr Grzegorz Goncerz	ALH
	Wed	10:30-12:00	Lecture	2	Whole class	Vascular system development. Fetal circulation.	Dr Grzegorz Goncerz	ALH
		12:30-14:45	Lab/ seminar	3	IV-VI	Temporal bone. Bony labyrinth.	As above	As above
		15:00-17:15	Lab/ seminar	3	I-III	Temporal bone. Bony labyrinth.	As above	As above
	Thu	15:00-16:30	Lecture	2	Whole class	Body cavities and respiratory system development.	Dr Wiesława Klimek-Piotrowska	ALH

	Fri	10:30-12:00	Lecture	2	Whole class	Development of the digestive system.	Dr Grzegorz Goncerz	ALH
		12:30-14:45	Lab/ seminar	3	IV-VI	Bones of the visceral cranium. Mandibule. Hyoid bone, Maxilla. Palatine bone. Inferior nasal concha. Lacrimal bone. Vomer. Zygomatic bone. Anterior, middle and posterior cranial fosse.	As above	As above
		15:00-17:15	Lab/ seminar	3	I-III	Bones of the visceral cranium. Mandibule. Hyoid bone, Maxilla. Palatine bone. Inferior nasal concha. Lacrimal bone. Vomer. Zygomatic bone. Anterior, middle and posterior cranial fosse.	As above	As above
Week Sept 26-30	Mon	10:30-12:00	Lecture	2	Whole class	Development of the urinary system	Prof. Jerzy Walocha	ALH
		12:30-14:45	Lab/ seminar	3	IV-VI	Orbital Cavity. Nasal Cavity. Oral Cavity. Paranasal Sinuses. Temporomandibular Joint. Sutures of the Vault of the Skull. Pterygopalatine, retromandibular, temporal, infratemporal cranial fossae, limitations and communication.	As above	As above
		15:00-17:15	Lab/ seminar	3	I-III	Orbital Cavity. Nasal Cavity. Oral Cavity. Paranasal Sinuses. Temporomandibular Joint. Sutures of the Vault of the Skull. Pterygopalatine, retromandibular, temporal, infratemporal cranial fossae, limitations and communication.	As above	As above
	Tu	15:00-16:30	Lecture	2	Whole class	Development of the genital system	Prof. Jerzy Walocha	ALH
	Wed	10:30-12:00	Lecture	2	Whole class	Limbs development. Limbs defects.	Dr Wiesława Klimek-Piotrowska	ALH
		12:30-14:45	Lab/ seminar	3	IV-VI	Review of the specimens	As above	As above
		15:00-17:15	Lab/ seminar	3	I-III	Review of the specimens	As above	As above
	Thu	15:00-16:30	lecture	2	Whole class	Human birth defects. Perinatology. Amniocentesis. CVS. Intrauterine Growth Restriction (IUGR**).**	Dr Marta Bałajewicz Nowak	ALH
	Fri	10:30-12:00	exam	2	Whole class	**Test on osteology**	Prof. Jerzy Walocha	ALH, A1
		12:30-14:45	Lab/ seminar	3	IV-VI	Review of the specimens	As above	As above
		15:00-17:15	Lab/ seminar	3	I-III	Review of the specimens	As above	As above
Week Oct 3-7	Tu	8:00-9:30	exam	2	I, II, III, IV, V, VI	**Practical exam on osteology**	As above	As above
	Wed	11:45-13:15	Lab/ seminar	2	IV-VI	Surface Anatomy of the Neck. Triangles of the Neck. Thyroid gland. Parathyroid. Cervical Plexus. Accessory Nerve.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III,	Surface Anatomy of the Neck. Triangles of the Neck. Thyroid gland. Parathyroid. Cervical Plexus. Accessory Nerve.	As above	As above

					IV, V, VI	External & Internal Carotid Arteries. External & Internal Jugular Veins. Lymph Drainage of the Neck. Submandibular gland & Sublingual gland. Vagus & Phrenic nerves. Cervical portion of the sympathetic trunk.	As above	As above
	Fri	8:00-9:30	Lecture	2	Whole class	Estimation of embryonic and fetal age. Expected date of delivery. Infertility. Assisted Reproductive Technology (ART)	Dr Marta Bałajewicz Nowak	ALH
Week Oct 10-14	Tu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	External & Internal Carotid Arteries. External & Internal Jugular Veins. Lymph Drainage of the Neck. Submandibular gland & Sublingual gland. Vagus & Phrenic nerves. Cervical portion of the sympathetic trunk. Muscles of Facial Expression. Blood and nerve supply of the face. (Facial artery & Ophtalmic nerve). Facial nerve. Parotid gland. Dura mater - venous sinuses. (Venous drainage of the head).Blood & nerve supply of the meninges. Exit of the cranial nerves from the skull.	As above As above	As above As above
	Wed	11:45-13:15	Lab/ seminar	2	I, II, III	Muscles of Facial Expression. Blood and nerve supply of the face. (Facial artery & Ophtalmic nerve). Facial nerve. Parotid gland. Dura mater - venous sinuses. (Venous drainage of the head).Blood & nerve supply of the meninges. Exit of the cranial nerves from the skull.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Pterygopalatine, Temporal, Infratemporal & Retromandibular fossa. Maxillary artery. Maxillary & Mandibular divisions of V-th nerve. Pterygopalatine & Otic ganglions. Muscle of mastication.	As above	As above
	Fri	8:00-9:30	exam	2	Whole class	**Test on embryology**	Prof. Jerzy Walocha	AHL, A1
Week Oct 17-21	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Pharynx. Parapharyngeal space. Oral cavity. Teeth. Gingiva. The tongue. Tonsills. Glossopharyngeal nerve. Vagus nerve. Accessory nerve. Hypoglossal nerve.	As above	As above
	Wed	11:45-13:15	Lab/ seminar	2	IV-VI	Larynx. Nasal cavity. Paranasal sinuses- structure, blood supply and innervation.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	Larynx. Nasal cavity. Paranasal sinuses- structure, blood supply and innervation. The Ear (external, middle & internal). Vestibulocochlear nerve.	As above As above	As above As

								above
	Fri	8:00-9:30	Lecture	2	Whole class	Cranial nerves- clinical appearances	Prof. Jerzy Walocha	ALH
Week Oct 24-28	Tu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	The Ear (external, middle & internal). Vestibulocochlear nerve. The Orbit & its walls. Structure of the eyeball. 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.	As above	As above
	Wed	11:45-13:15	Lab/ seminar	2	I, II, III	The Orbit & its walls. Structure of the eyeball. 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.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	The Spinal Cord. The Meninges. The arterial supply and venous drainage of the spinal cord. Cerebral Tracts. The main anatomical terms related to the CNS.	As above	As above
	Fri	8:00-9:30	lecture	2	Whole class	The brain stem - the Medulla, Pons and Midbrain. The cerebellum. IV-th Ventricle. Blood supply of the brainstem & the cerebellum. Clinical correlation about the brain stem and the spinal cord.	Prof Jerzy Walocha	ALH
Week Oct 31-nov 4	Tu					**All Saints' Day**		
	Wed	11:45-13:15	Lab/ seminar	2	IV, V, VI	The brain stem. The Diencephalon. (Thalamus, Hypothalamus, Epithalamus, Metathalamus). III-rd Ventricle.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	The brain stem. The Diencephalon. (Thalamus, Hypothalamus, Epithalamus, Metathalamus). III-rd Ventricle. The Telencephalon. The cerebral lobes. Blood supply of the telencephalon, diencephalon. Production of the cerebrospinal fluid and its circulation.	As above As above	As above As above
	Fri	8:00-9:30	lecture	2	Whole class	The motor tracts of central nervous system.	Prof. Jerzy Walocha	ALH
Week Nov 7-11	Tu	8:00-9:30	Lab/ seminar	2	I, II, III	The Telencephalon. The cerebral lobes. Blood supply of the telencephalon, diencephalon. Production of the cerebrospinal fluid and its circulation.	As above	As above

					IV,V,VI	The sensory tracts of the central nervous system.	As above	As above
	Wed	11:45-13:15	Lab/ seminar	2	I, II, III	The sensory tracts of the central nervous system.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
	Fri					**Independence Day**		
Week Nov 14-18	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
	Wed	11:45-13:15	Lab/ seminar	2	IV, V, VI	Review of the specimens	As above	As above
	Thu	8:00-9:30	exam	2	I, II, III,IV, V, VI	**Practical exam of the head, neck and brain.**	As above	As above
	Fri	8:00-9:30	exam	2	Whole class	**Test of the head, neck and brain.**	As above	As above
Week Nov 21-25	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Surface anatomy of the thorax (lines of orientation). Thoracic walls - muscles, vessels, nerves (intercostal spaces).The Mammary Gland. Diaphragm. The Thoracic Cavity – Mediastinum		
	Wed	11:45-13:15	Lab/ seminar	2	I, II, III	Pleurae. Trachea. Lungs. The Mechanism of Respiration. Endothoracic Fascia	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	Pericardium. Structure of the Heart (Chambers of the Heart) Pleurae. Trachea. Lungs. The Mechanism of Respiration. Endothoracic Fascia	As above As above	As above As above
	Fri	8:00-9:30	lecture	2	Whole class	Conducting System of the Heart. Arterial Supply & Venous Drainage of the Heart. Nerve Supply of the heart.	As above	As above
Week Nov 28- Dec 2	Tu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	Large Vessels of the Thorax: Superior & Inferior Vena Cava. Aorta. Pulmonary Veins. Pulmonary Trunk. Esophagus. Vagus nerves. Phrenic nerves. Thoracic part of the sympathetic trunk. Thymus. Lymph Drainage of the Thorax. Azygos veins. Pericardium. Structure of the Heart (Chambers of the Heart)	As above As above	As above As above
	Wed		Lab/ seminar	2	IV, V, VI	Large Vessels of the Thorax: Superior & Inferior Vena Cava. Aorta. Pulmonary Veins. Pulmonary Trunk. Esophagus. Vagus nerves. Phrenic nerves. Thoracic part of the sympathetic	As above	As above

						trunk. Thymus. Lymph Drainage of the Thorax. Azygos veins.		
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	The axilla & its contents. Axillary artery & vein. Brachial plexus. Lymph nodes & lymph drainage of the upper limb. Muscles of the arm. Brachial artery & vein. Nerves of the arm	As above	As above
	Fri	8:00-9:30	lecture	2	Whole class	Autonomic nervous system of the thorax and upper limb.	Prof. Jerzy Walocha	ALH
Week Dec 5-9	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	The cubital fossa. Elbow joint. Fascial compartments of the forearm. Muscles of the anterior compartment of the forearm. Radial and ulnar artery & veins. Superficial veins of the upper limb. Nerves of the forearm.	As above	As above
	Wed		Lab/ seminar	2	I, II, III	Muscles of the lateral & posterior compartment of the forearm. Muscles of the hand. The carpal tunnel. Superficial & deep palmar arch. Skin innervation of the upper limb. Lymph drainage.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	Rewiew of the specimens Muscles of the lateral & posterior compartment of the forearm. Muscles of the hand. The carpal tunnel. Superficial & deep palmar arch. Skin innervation of the upper limb. Lymph drainage.	As above As above	As above As above
	Fri	8:00-9:30	Lecture	2	Whole class	Regions of the upper limb. Innervation-clinical correlation. Blood supply of the upper limb.	Prof. Jerzy Walocha	ALH
Week Dec 12-16	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
	Wed		Lab/ seminar	2	IV, V, VI	Review of the specimens	As above	As above
	Thu	8:00-9:30	exam	2	I, II, III, IV, V, VI	**Practical exam on thorax and upper limb.**	As above	As above
	Fri	8:00-9:30	Lecture	2	Whole class	**Test on thorax and upper limb**	As above	ALH, A1
MERRY CHRISTMAS!!!!!								
WEEK Jan 9-13	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Abdomen - the main divisions. Abdominal lines and planes. Abdominal wall (structure) - muscles, blood supply, innervation. Inquinal canal. Fascial & peritoneal lining of the abdominal walls. Surface anatomy - (landmarks) : xiphoid process, costal margin, iliac crest, pubic tubercle, symphysis pubis, inquinal ligament, linea alba, umbilicus.	As above	As above
	Wed		Lab/ seminar	2	I, II, III	Peritoneal cavity. Peritoneal pouches, fossae, spaces and gutters. Bursa omentalis. Peritoneal ligaments, omenta and mesenteria	As above	As above

	Thu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	Gastrointestinal tract: abdominal portion of esophagus, stomach, small intestine (duodenum, jejunum, ileum). Pancreas. Spleen. Peritoneal cavity. Peritoneal pouches, fossae, spaces and gutters. Bursa omentalis. Peritoneal ligaments, omenta and mesenteria	As above As above	As above As above
	Fri	8:00-9:30	Lecture	2	Whole class	Abdominal wall – clinical correlation. Herniae.	Prof. Jerzy Walocha	ALH
Week Jan 16-20	Tu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	The liver. Gallbladder. Clinical appearances on the abdominal walls and the portal-systemic circulation. Gastrointestinal tract: abdominal portion of esophagus, stomach, small intestine (duodenum, jejunum, ileum). Pancreas, spleen.	As above As above	As above As above
	Wed		Lab/ seminar	2	IV, V, VI	The liver. Gallbladder. Clinical appearances on the abdominal walls and the portal-systemic circulation.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	The large intestine. (ileocecal valve, cecum, vermiform appendix, colon). Inferior mesenteric artery.	As above	As above
	Fri	8:00-9:30	Lecture	2	Whole class	Nerve plexuses of the abdomen. Limph drainage of the abdomen. Clinical correlation on abdomen (herniations, developmental abnormalities, developmental remains, surface anatomy of the abdominal viscera)	Prof. Jerzy Walocha	ALH
Week Jan 23-27	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Retroperitoneal space. Kidneys. Suprarenal glands. Ureters. Abdominal aorta. Inferior vena cava.	As above	As above
	Wed	11:45-13:15	Lab/ seminar	2	I, II, III	Orientation of the pelvis. False & true pelvis. Pelvic walls. Pelvic floor. Pelvic peritoneum. Nerves and vessels of the pelvis. Surface landmarks of the pelvis.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III IV, V, VI	Rectum. Urinary bladder. Urinary tract. Orientation of the pelvis. False & true pelvis. Pelvic walls. Pelvic floor. Pelvic peritoneum. Nerves and vessels of the pelvis. Surface landmarks of the pelvis.	As above As above	As above As above
	Fri	8:00-9:30	Lecture	2	Whole class	Clinical correlations on the pelvis. (pelvic measurements in obstetrics, abnormalities and varietes of the female pelvis, fractures of the pelvis. Anatomical aspects of pregnancy.	Prof. Jerzy Walocha	ALH
Week Jan 30 – Feb 3	Tu	8:00-9:30	Lab/ seminar	2	I, II, III	Male genital organs. Perineum. Clinical aspects on the pelvic viscera. Rectum. Urinary bladder. Urinary	As above	As above

					IV, V, VI	tract.	As above	As above
	Wed		Lab/ seminar	2	IV, V, VI	Male genital organs. Perineum. Clinical aspects on the pelvic viscera.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Female genital organs.	As above	As above
	Fri	8:00-9:30	Lecture	2	Whole class	The back.	Prof. Jerzy Walocha	ALH
WINTER BREAK								
Week Feb 20-24	Tu	8:00-9:30	L ab/ seminar	2	I, II, III, IV, V, VI	Regions of the lower limb. Muscles of the anterior & medial fascial compartment of the thigh. Femoral sheath. Femoral triangle. Femoral artery and vein. Subsartorial canal. Lumbar plexus.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Muscles of the buttock, subgluteal space. Greater & lesser sciatic foramina. Muscles of the posterior fascial compartment of the thigh. Sacral plexus. Pudendal nerve.	As above	As above
		9:45-11:15	Lab/ seminar	2	I, II, III, IV, V, VI	The knee joint -clinical aspects of the knee joint - review. Muscles of the posterior compartment of the leg. Posterior tibial vessels. Tibial nerve. Lymph drainage of the lower limb.	As above	As above
	Fri	8:00-9:30	lecture	2	Whole class	Vascular system of the upper limb.	Prof. Jerzy Walocha	ALH
Week Feb 27-Mar 3	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Superficial veins of the lower limb.Bones of the tarsus. Joints of foot. Muscles of the foot. Arterial & venous supply of the foot. Foot as the functional unit. Innervation of the skin of the lower limb.	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
		9:45-11:15	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
	Fri	8:00-9:30	exam	2	Whole class	**Test on abdomen, pelvis and lower limb**	As above	ALH, A1
Week Mar 6-10	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
	Thu	8:00-9:30	Lab/	2	I, II, III, IV,	Review of the specimens	As above	As

			seminar		V, VI			above
		9:45-11:15	Lab/ seminar	2	I, II, III, IV, V, VI	**Practical exam on abdomen, pelvis and lower limb:**	As above	As above
	Fri	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
Week Mar 13-17	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
	Thu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
		9:45-11:15	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
	Fri	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
Week Mar 20-24	Tu	8:00-9:30	Lab/ seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
	Thu	8:00-9:30	Lab seminar	2	I, II, III, IV, V, VI	Review of the specimens	As above	As above
		9:45-11:15	EXAM	2	I, II, III, IV, V, VI	**Practical exam on anatomy**	As above	As above
	Fri	8:00-9:30	EXAM	2	Whole	**Final anatomy test**	As above	ALH, A1