



# PROGRAM REALIZACJI ZAJĘĆ

Schedule for anatomy.

## Przedmiot: ANATOMIA PRAWIDŁOWA

Human anatomy.

Tematyka wykładów. Lectures.

Kierunek: LEKARSKI - semestr zimowy + semestr letni

Field of study: Faculty of medicine - fall semestr + spring semestr

### WYKŁADY / LECTURES

Fall semestr / Semestr zimowy (20h)

Spring semestr / Semestr letni (20h)

#### Module 1: OSTEOLOGY AND ARTHROLOGY (Fall semestr / Semestr zimowy)

	Data / date	Temat wykładu / Subject of the lecture
1	----	The program of the courses of Human Anatomy. Introduction to the gross and clinical anatomy. Important anatomical terms. The anatomical position, planes, and terms of location and orientation. Diagnostic imaging techniques. Plain radiography; Computed tomography; Magnetic resonance imaging; Nuclear medicine imaging. Body systems.
2	----	Organization of the skeletal system. Anatomical aspects of spine injury. Joints, ligaments, bone, cartilage.
3	----	General topography of the skull. Developmental anatomy of the skull. Surgical anatomy of the skull. Sutures. <b>Cranial bones: Temporal bone and Ethmoidal bone.</b>

#### Module 2: HEAD AND NECK (Fall semestr / Semestr zimowy)

	Data / date	Temat wykładu / Subject of the lecture
1	----	General topography of the neck. Triangles and muscles of the neck. Cervical fascia. <b>Cervical plexus.</b> Surgical anatomy of the neck. Anatomical aspects of ENT (ear, nose, throat) medicine
2	----	<b>Facial nerve (VII). Trigeminal nerve (V)</b> - clinical syndromes of these nerves. Autonomic system of head and neck.
3	----	Visual pathway- whole course (including cerebral section), nuclei connected to the visual pathway. Clinical anatomy of the visual system. Auditory pathway- whole course (including cerebral section), nuclei connected to the auditory pathway, primary auditory cortex Clinical anatomy of the organ of hearing.

**Module 3: CENTRAL NERVOUS SYSTEM** (Fall semestr / Semestr zimowy)

	Data / date	Temat wykładu / Subject of the lecture
1	-----	Central nervous system: introduction, development and its implications. Circulation of the cerebrospinal fluid and the ventricular system. Cerebral cortex, thalamic nuclei and their connections. Functional anatomy of the brainstem, cerebellum and the cranial nerves. Meninges.
2	-----	Sensory pathways and centers in the central nervous system. Somatic sensation. Motor pathways and centers in the central nervous system. - part I
3	-----	Sensory pathways and centers in the central nervous system. Somatic sensation. Motor pathways and centers in the central nervous system. - part II Clinical anatomy. Functional assessment of CNS.

**Module 4: UPPER LIMB AND BACK** (Fall semestr / Semestr zimowy)

	Data / date	Temat wykładu / Subject of the lecture
1	-----	Topographical and practical anatomy of the back. Clinical anatomy of the shoulder. <b>Blood vessels and nerves of the upper extremity.</b>

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**Module 4: UPPER LIMB AND BACK** (Spring semestr / Semestr letni)

	Data / date	Temat wykładu / Subject of the lecture
2	-----	The hand - practical and topographical anatomy. Clinical anatomy.

**Module 5: THORAX** (Spring semestr / Semestr letni)

	Data / date	Temat wykładu / Subject of the lecture
1	-----	Clinical anatomy of thoracic wall and the breast. Anatomy of <b>mediastinum</b> and its clinical applications. Lymphatic system: vessels, nodes, trunks and ducts.
2	-----	Anatomical basis of cardiology. Developmental anatomy of the heart and great vessels.
3	-----	Applied anatomy of the respiratory system. Functional anatomy of the heart. Clinical aspects of the thoracic anatomy.

**Module 6: ABDOMEN** (Spring semestr / Semestr letni)

	Data / date	Temat wykładu / Subject of the lecture
1	-----	Surgical anatomy of the abdominal wall. Clinical and developmental anatomy of the peritoneal cavity. Surface topography Breathing. Changes in intraabdominal pressure. Diaphragm.
2	-----	Structure and topography of the alimentary <b>gastrointestinal tract</b> . Anatomical basis of abdominal surgery.
3	-----	Applied anatomy of the retroperitoneal space. Urogenital systems. <b>Male reproductive system.</b>
4	-----	<b>Female reproductive system.</b> Clinical anatomy of pregnancy and labour. Clinical anatomy in urology.

**Module 7: LOWER LIMB** (Spring semestr / Semestr letni)

	Data / date	Temat wykładu / Subject of the lecture
1	-----	Clinical anatomy of the pelvic girdle. Vascular system of the lower extremity and its practical significance.
2	-----	Biomechanics of the foot and its clinical implications. Neurological anatomy of the lower limb.