**Year**: second / first semester

**Subject:** Anatomy

**Course designation:** Anatomy of the abdomen and pelvis

**Theory:** 3 hours/week

**Practical:** 6 hours/week

**Objectives:**

1. Describe the topography of the abdomen and pelvis.
2. Emphasize the clinical significance of anatomical structures and relations facilitating the understanding of a disease process and surgical operations on anatomical grounds.
3. Provide the anatomy essential to understand the process of child bearing and child birth.
4. Provide surface markings of anatomical structures on the body wall.
5. Direct the anatomical knowledge towards the appearance of structures when they are imaged in radiographs.
6. Establish working knowledge of sectional anatomy

**Curricular topics:**

1. Topographic & applied anatomy of the anterior abdominal wall & surgical incisions.
2. The inguinal region & testis.
3. Surgical anatomy of inguinal hernia.
4. General organization of the peritoneum.
5. Upper abdominal viscera.
6. Applied anatomy of the gastro-esophageal junction & vagotomies.
7. The intestines.
8. Arterial blood supply of abdominal viscera.
9. The liver & portal venous system.
10. The gall bladder & biliary passages
11. The kidney & ureter.
12. Muscles of the posterior abdominal wall & diaphragm
13. Vessels & nerves on the posterior abdominal wall.
14. Pain pathways from abdominal viscera.
15. Pelvic walls: Bones, ligaments, & joints

**Curricular topics for pelvis:**

1. Pelvic walls: Sex differences, measurements, & variations
2. Pelvic walls: Muscles, fascia, & peritoneum.
3. Male internal genital organs
4. The uterus.
5. Uterine tubes, ovaries, & vagina.
6. The rectum.
7. The anal canal
8. Nerves of the pelvis.
9. Vessels of the pelvis.
10. The perineum (I): The urogenital triangle.
11. The perineum (II): The anal triangle. Nerves & vessels of the perineum.
12. Cross sectional anatomy of the pelvis.
13. Imaging anatomy of the pelvis.

**Year:** Second/ second semester

**Subject:** Anatomy

**Course designation:** Neuroanatomy

**Theory:** 3 hours/week

**Practical:** 6 hours/week

**Objectives:**

* 1. Provide basic Knowledge on CNS organization and topography.
  2. Highlight the clinical significance of neuroanatomical structure.
  3. Identification of parts and components of CNS on dissection and prosections.
  4. Establish working knowledge of cross sectional anatomy of CNS and relevant applications.

**Curricular topics:**

1. Introduction to neuroanatomy-development, terms and orientations.
2. Gross anatomy of the cerebrum and brain stem.
3. Cytoarchitecture of the cerebral cortex and medullary centre.
4. Functional localization in the cerebral cortex.
5. The meninges& Dural venous sinuses..
6. Blood supply of CNS and its applied anatomy.
7. Organization of spinal cord.
8. Ascending tracts and descending tracts of spinal cord.
9. Brain stem.
10. Ventricular system.
11. The reticular formation.
12. The cerebellum and neural control.
13. Diencephalon, thalamus and its connections.
14. The hypothalamus.
15. Structure and integration of limbic system.
16. The corpus striatum and applied anatomy of basal ganglia
17. Cross sectional anatomy of CNS and imaging techniques.