

ED I. Macroscopic Anatomy and Embryology I. (new curriculum)

ANNOUNCEMENTS CONCERNING THE SEMIFINAL EXAMINATIONS

Semifinal examinations are generally held on Tuesdays and Thursdays as appears in NEPTUN. The exams start in the Histology Laboratories with a written test then continue with the dissection part in the dissection room (ground floor).

REGISTRATION ISSUES

Only students whose semester is accepted may sit for the semifinal examination
The topics of the examination cover the subject matter of the present semester.

Registration has to be done in NEPTUN according to the Study and Examination Policy. Registration closes 24 hours prior to the beginning of the examination (see in NEPTUN).

Absences – no-show at the semifinal examination reduces the remaining examination possibilities and Students will have to pay a missed examination fee via neptun. In case of a health problem, students will have to present a **doctor's note within 3 working days** to be evaluated by the Head of Department. If accepted, the number of the student's examination possibilities will not be reduced.

On the day of the examination

Please leave your bags in a locker and gather in front of the Histology lab 10 minutes before starting time (**as seen in Neptun**).

Please make sure you have the following items on you:

- ID card/student card with a photograph (you may not start the examination without it)
- SeKA login details* (memorize or write them down on a small piece of paper)
- *Students who cannot login /forgot their password will be considered as „absent“ (see above) and have to sit for the examination on a different day
- In case of a retake exam – proof of payment (except for the 1st retake)
- **DRESS CODE – formal (black and white)**
- Phones and smart watches have to be stored elsewhere during examinations
- Neither pens nor papers may be with you during the written part
- You cannot take notes or talk to your peers during the examination
- For safety reasons you may keep your valuables (money, cards, IDs, etc) on you, however „large“ items, such as phones (switched off), tablets (switched off) and pencil cases will be collected upon entering the examination room.
- No chewing gum, no food, no drinks are allowed while on the premises

PARTS OF THE SEMIFINAL EXAMINATION

WRITTEN PART – Histology laboratory (Students may not leave the room during the test)

The test is composed of 40 simple / multiple choice questions including Embryology

Writing time: 40 minutes

Following the completion of the test Students may **briefly** view their results, however, neither questions may be asked, nor notes may be taken during this time. Students may not leave the room before the inspection time expires.

Passing rate: 50% (below 50% =fail, 50%- =satisfactory, 65%- =average, 75%- =good, 85%- =excellent)

- Students not reaching 50% (20.00 points) in the written part **cannot continue** (i.e. fail) the examination and have to leave.

- **Students with unsuccessful midterm mark(s) (fail, i.e., 1) should prepare for one (or two) additional oral exam question(s)** from the **relevant midterm topics** upon successfully passing the written part BUT prior to the practical part of their semifinal examination. The exam may **only continue** with the practical (dissection) part if the **additional oral question(s) is/are fully answered**.
- Students failing the examination in a subsequent practical part may be exempted from the written test during the retake examination **ONLY** if they gained a good (4), or excellent (5), result from the written test. These students should present themselves at the **dissection room** at the **beginning of the practical examination** on the day of the retake examination.
- Students may request in writing to sit for an oral theory exam to replace the written part in case of a 2nd or 3rd retake examination. A written request will have to be sent by email to the Course Director 48 hours before the examination day.

MACROSCOPY PART

This part is held in the Dissection room (ground floor). Rubber gloves and labcoats are provided by the department.

Here the Students are examined on prosections in the following topics:

- 1. Upper and lower limbs
- 2. Trunk (diaphragm, thoracic and abdominal walls, including hernia canals)
- 3. Macroscopy of the CNS and the skull

Further questions, other than the identification of the presented specimens, may arise, e.g. discussing theoretical or embryological relevances. Students may be asked to produce schematic drawings of certain regions as part of the examination.

EXEMPTIONS

Students earning a **4 or a 5 in the officially timed midterm tests may request an exemption** from the relevant practical part of the semifinal examination in case the mark was **earned on the official midterm date (retakes will not be counted in)**. **Please note, that exemptions can only be earned in the following two topics:**

1. limbs (1st midterm)
2. muscles of the trunk, diaphragm (2nd midterm)

Every student will have to be examined from the topics of the skull and CNS

MARKING SYSTEM

The examination finishes in the Dissection Room, where Students are given a mark calculated from all exam marks.

- If one part of an examination results in fail (1), the entire examination is terminated with a fail (1).
- **Students failing the examination, may repeat the exam once „free”, every further attempt will be charged for.** The total number of examination seats is set (200% of the number of students in a given course), therefore the number of examination seats will not be increased*.
- **Retake of a successful examination** - students unhappy with the result of the examination may apply in writing with the Course Director, to retry the examination. They will be registered by the Course Director in neptun.
Please note, that such a retake examination does not necessarily result in a better mark.
- **Technical problems** concerning registration or deregistration via the neptun system are beyond the scope of the Department, Students should seek help from the neptun group of the Secretariat.
- The Registrar of the English Secretariat is not entitled to register or deregister students with the only exception of using the 4th chance upon getting the Dean's permission.

ED I TOPICS OF THE SEMIFINAL EXAMINATION

Musculoskeletal Anatomy

General osteology, classification of bones

Continuous connections of bones. Components and classification of joints

General myology

Structure and movements of the vertebral column, the gross anatomy of the muscles acting upon it

Movements and muscles of the head&neck (atlantooccipital and atlantoaxial joints)

Osteofibrous structure of the thoracic cage (bones, joints, ligaments, movements)

Joints of the shoulder girdle, the gross anatomy of the muscles acting upon them

Shoulder joint, the gross anatomy of the muscles acting upon it

Axillary fossa, quadrangular and triangular spaces

Muscles and cross section of the arm

Muscles and cross section of the forearm

Elbow joint, the gross anatomy of the muscles acting upon it

Cubital fossa

Structure and movements of the radiocarpal joint, gross anatomy of the muscles acting upon it

Osteofibrous spaces and muscle compartments of the hand, tendinous sheaths

Muscles, joints and movements of the fingers

Composition of the pelvis (bones, ligaments and membranes)

Hip joint and the gross anatomy of the muscles concerned with the movements

External and internal muscles of the hip, supra- and infrapiriform hiatuses.

Osteofibrous compartments, muscles and of the thigh

Knee joint and the gross anatomy of the muscles concerned with the movements. Popliteal fossa

Subinguinal hiatus, vascular and muscular compartments; adductor canal, femoral canal

Osteofibrous spaces and muscle compartments and cross section of the leg (crus)

Ankle joint together with the gross anatomy of the muscles acting upon it

Subtalar and talocalcaneonavicular joints, the muscles acting upon them

Structure of the foot, arches of the foot

Diaphragm

Muscles and spaces of the abdominal wall, rectus sheath

Inguinal canal, femoral canal

Pelvic floor (muscles); urogenital diaphragm, perineal muscles

Components and connections of the anterior, middle and posterior cranial fossae.

External skull base, connections

Walls and connections of the orbit

Walls and connections of the nasal cavity

Oral cavity, temporal and infratemporal fossae

Walls and connections of the pterygopalatine fossa

Macroscopy of the nervous system

Blood supply to the brain, meninges, CSF

Hemispheres, lateral ventricles, diencephalon, the 3rd ventricle

Brain stem, cerebellum, the 4th ventricle, spinal cord

Frontal sections of the brain

Dorsal branches of the spinal nerves, intercostal nerves

Cervical plexus

Brachial plexus

Lumbar plexus

Sacral plexus

General and Musculoskeletal Embryology

Gametes and fertilization

Cleavage of the zygote

Blastocyst formation; the bilaminar embryonic disc

Implantation

Major parts of the early embryo (primary and secondary yolk sacs, amnion, chorion, chorionic cavity, body stalk)

Gastrulation, formation of the intraembryonic mesoderm; the notochord

Neurulation (neural tube and neural crest)

Derivatives of ectoderm, endoderm and mesoderm

Folding of the embryo

Development of the fetal membranes (chorion and amnion)

The umbilical cord

Placenta (structure and formation)

Twin formation

Development of the skull

Development of the vertebral column and limbs

Development of the musculoskeletal system