**REQUIREMENTS**

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| **Semmelweis University, Faculty of Medicine****Name(s) of the Institute(s) teaching the subject: Department of Traumatology** |
| **Name of the subject: Traumatology****Credits: 0** **Total number of hours: 40 lectures: practices: 40 seminars:** **Type of the course (mandatory/elective): Mandatory** |
| **Academic year: 2021/2022** |
| **Code of the course1: AOKTRA651\_1A** |
| **Course director (tutor): Prof. Dr. Hangody László****Contact details: Semmelweis University Traumatology Department****Tel: 06 1 467 3851****Position: Head of Department****Date of habilitation: May 24, 2003****Reference number: 10/2003** |
| **Aim of the subject and its place in the curriculum:**Traumatology as a specialty deals with the treatment of injured patients, independent of the injured organ, patient’s age or previous diseases. In developed countries, the 4-5th leading cause of death is injury, while in the actively working population, the rate of death is even higher. Morbidity in children and in the elderly is also high. Since the patient examination and therapeutic algorithm somewhat differ from the previously taught examination and treatment methods in the curriculum, our aim is to offer a general and practical approach to treating trauma patients for students. The prerequisite for 6th year Traumatology is the material and exam from the 5th year in Traumatology, to be used in a more practical manner. Beside this, familiarization and active participation in the daily routine of a Traumatology department play a role in the students’ curriculum. |
| **Location of the course (lecture hall, practice room, etc.):*** Uzsoki Hospital, Department of Orthopedics-Traumatology, Conference room (ground floor)

1145 Budapest, Uzsoki street 29-41. * Péterfy Traumatology Center, Conference room (8th floor)

1081 Budapest, Fiumei street 17.* In the Member States of the European Union (and in Switzerland and Norway), clinical practice is accepted and recognized if it is earned at a Traumatology or Orthopedic-Traumatology department at state-accredited university clinics or teaching hospitals – the legal ground for this is the mutual recognition of diplomas issued by the accredited institutions.
* Abroad at a Traumatology or Orthopedic-traumatology department of an accredited teaching hospital accredited by the Hungarian Accreditation Committee – HAC (this can be checked on the following website: <http://www.semmelweis-english-program.org/index.php?option=com_content&task=view&id=79&Itemid=101> under the link: [Approved Health Institutes for 6th year Rotations](http://www.semmelweis-english-program.org/images/approvedhospitals.xls)).
* Abroad in the country of students’ choice, which has been approved by the department (which meet the requirements posted on the Traumatology Department’s website).
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| **Competencies gained upon the successful completion of the subject:**During practices, students will have the opportunity to learn the following: physical examination of injured patients, bandaging, suturing, casting techniques, and the uses of orthesises and splints. Consultation of typical and the more frequent trauma cases, radiologic diagnostics, as well as shadowing, observing and/or assisting in the operating theater are also part of the curriculum. In the ER, students will have an opportunity to examine and participate in the trauma care of patients under supervision.  |
| **Prerequisite(s) for admission to the subject:**Traumatology IV |
| **Minimum and maximum number of students registering for the course:****Student selection method in case of oversubscription:**Minimum: 1Maximum (Depends on each teaching hospital’s capacity) |
| **How to register for the course:****Neptun** |
| Detailed thematic of the course2:1. Daily attendance of morning conference. After becoming acquainted with the introduced cases, students will have the opportunity to examine the hospitalized patients and familiarize themselves with patient’s documentation.
2. Assisting or observing in the operative theater, depending on the operative program.
3. Students shall participate in patient admission, examination, follow and help in the evaluation of the diagnostic examinations, and take part in the acute treatment of traumatized patients during on duty shifts.
4. Participating in grand rounds, patient presentation, and following up on referrals.
5. Consultation with attending tutor of actual clinical cases, planning the treatment and the course of patient follow up.
6. Taking part in patient follow up examinations. Examining the range of motion, function, evaluating x-rays and CT scans. Identification and treatment of complications.

**Detailed syllabus:**1. First Aid
2. Evaluation of the mental-stage/orientation with the Glasgow-score
3. Evaluating and management of external wounds
4. Termination of bleeding
5. Transportation of trauma patient
6. Transient fixating bandage of traumatic part of body
7. Preparation of the surgical area
8. Surgical scrub-in and clothing
9. Infiltrational anaesthesia
10. Incision and drainage
11. Management of infected, necrotic wound
12. Closure
13. Stitch removal
14. Applying pressure-bandage
15. Reuniting closed fractures
16. Fracture stabilization
17. Reduction of dislocation
18. Transient fixation of broken extremities
19. Insertion of Foley’s catheter in men
20. Insertion of Foley’s catheter in women
21. Venous-canulating
22. Pain management
23. Assisting surgical procedures
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| **Potential overlap(s) with other subjects:**Orthopedics, First aid, Sports Medicine, Neurotraumatology, Hand Surgery, General Surgery |
| **Special training activities required3:****-** |
| **Policy regarding the attendance and making up absences:**The complete attendance of the two week (40 hours, including the 12 hour on-duty shift) practice as well as the completion of the syllabus signed by the tutor is mandatory. The certificate/attendance sheet and syllabus must be handed in / scanned and emailed to the Traumatology Department upon completion of the practice with the certificate. 10 hours of absence is allowed if the student can provide documents of medical treatment, and this absence can be made up at a later time which is convenient for the tutor. Absence of more than 10 hours cannot be made up and we cannot accept the practice for the student. |
| **Means of assessing the students’ progress during the semester4:**The interactive seminars and practices allows for the assessment of students’ progress. There will be no formal test/quiz during the practice week. |
| **Requirement for acknowledging the semester (signature):**The complete attendance of the two week (40 hours, including the 12 hour on-duty shift) practice as well as the completion of the syllabus signed by the tutor is mandatory. The certificate/attendance sheet and syllabus must be handed in / scanned and emailed to the Traumatology Department upon completion of the practice with the certificate.  |
| **Type of the examination**:Oral exam. One traumatolgy topic within the surgery exam. |
| **Exam requirements5:**The knowledge of the given textbook, lecture and practice material including that of V. year. One topic is chosen from a topic list. |
| **Type and method of grading6:** Oral exam grade (averaged with the surgery topics), base on a 5 grade scale (1-5). |
| **How to register for the exam:** Neptun program |
| **Opportunities to retake the exam:** Retaking of the oral exam organized by the Surgery department. |
| **Literature, i.e. printed, electronic and online notes, textbooks, tutorials (URL for online material):****Name of Textbook:**The Trauma Manual:TRAUMA AND ACUTE CARE SURGERYThird editionEditors:Andrew B. PeitzmanMichael RhodesC. William SchwabDonald M. YealyTimothy C. FabianPublisher:Wolters Kluwer / Lippincott Williams & Wilkins**Internet**The lecture material can be downloaded from Semmelweis University’s E-learning portal <https://itc.semmelweis.hu/moodle/?lang=en> |
| **Signature of the tutor:** |
| **Signature(s) of the head(s) of the Institute(s):** |
| **Date:** |

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| **Credit Transfer Committee’s opinion:**  |
| **Comment of the Dean’s Office:** |
| **Signature of the Dean:** |

1 Dékáni Hivatal tölti ki, jóváhagyást követően.

2 Az elméleti és gyakorlati oktatást órákra (hetekre) lebontva, sorszámozva külön-külön kell megadni, az előadók és a gyakorlati oktatók nevének feltüntetésével. Mellékletben nem csatolható!

3 Pl. terepgyakorlat, kórlapelemzés, felmérés készítése stb.

4 Pl. házi feladat, beszámoló, zárthelyi stb. témaköre és időpontja, pótlásuk és javításuk lehetősége.

5 Elméleti vizsga esetén kérjük a tételsor megadását, gyakorlati vizsga esetén a vizsgáztatás témakörét és módját.

6 Az elméleti és gyakorlati vizsga beszámításának módja. Az évközi számonkérések eredményeink beszámítási módja.