

**Semmelweis University, Faculty of Medicine – single, long-cycle medical training**

**Name of the host institution (and any contributing institution):**

Department of Urology

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**Name of subject:** Nyári gyakorlat

**in English:** Practice in Summer

**in German:** Praktikum im Sommer

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**Credit value:** 3

**Semester:** 2

(in which the subject is taught according to the curriculum)

Hours per week	Lecture	Practical lesson	Seminar
0.0	0.0	0.0	0.0

Hours per semester	Lecture	Practical lesson	Seminar
168.0	0.0	168.0	0.0

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**Type of course:**

obligatory

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**Academic year:**

2024/25

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**Language of instruction (for optional and elective subjects):**

English

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**Course code:**

AOKNSG1127\_1A

(in the case of a new course, to be completed by the Dean's Office, following approval)

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**Course coordinator name:** Dr. Péter Nyirády (director)

**Course coordinator location of work, telephone availability:** Department of Urology

**Course coordinator position:** professor, head of Urology Department

**Course coordinator Date and number of habilitation:**283/2009

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**Objective of instruction and its place in the curriculum:**

To introduce and familiarize the students with the organizational structure of the clinic/hospital and the functioning of the department. To learn the process of patient care and nursing through practical training. To acquire basic skills in everyday nursing interventions that will be used during further practice placements and after graduation.

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**Method of instruction (lecture, group work, practical lesson, etc.):**

practical lesson

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**Competencies acquired through completion of course:**

Students learn how to do surgical scrubbing and hand disinfection in daily practice. They learn the importance of patient identification and apply the procedure properly.

They learn and apply nursing admission of the patient. Students are aware of the details of care documentation and their significance.

Students are able to work in a team.

They master communication skills with patients and colleagues and apply them in practice; assess the basic nursing needs of the patient, and meet the patient's needs.

Students can detect, monitor and document patient parameters (pulse, blood pressure, respiration, temperature).

Students learn to administer subcutaneous and intramuscular injections, to take blood samples, to determine bedside blood glucose, and to secure venous access under supervision. They learn to recognize possible complications.

They get a basic knowledge of CPR and ability to start basic CPR.

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**Course outcome (names and codes of related subjects):**

AOKBOK784\_1A

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**Prerequisites for course registration and completion: (CODE):**

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**In the case of multi-semester courses, position on the possibility of and conditions for concurrent registration:**

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**The number of students required to start the course (minimum, maximum), student selection method:**

The number of students determined by the practice placement site in the NEPTUN system. Valid Occupational Health Aptitude Test Certificate, Occupational Fire and Environmental Safety Training Certificate.

Nursing practice is only available in the University's Clinical units and in the departments of hospitals accredited by the University.

For international students from training sites not accredited by the University, a letter of acceptance must be submitted to the course coordinator for practice placement authorization. The letter of acceptance must include the name of the institution, as well as the name and position of the person responsible for the training. All documents must be submitted in a clear and legible format.

**Nursing practice can only be completed in a clinical or hospital ward by international students.**

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**Detailed course syllabus (if the course can be divided into modules, please indicate):**

**(Theoretical and practical instruction must be broken down into hours (weeks), numbered separately; names of instructors and lecturers must be listed, indicating guest lecturers/instructors. It cannot be attached separately! For guest lecturers, attachment of CV is required in all cases!)**

Week 1: Ward operation. Observation of nursing activities, assessing and documenting nursing needs. Learning about the contents of nursing documentation, how to complete the patient observation chart and the nursing chart, how to use marking methods. Learning to create a safe environment for the patient. Active involvement in the daily care of patients with the help of nurses. Observation and mastering of the communication with patients.

Observation of laboratory and other examination procedures, observation of patient preparation for examination/surgery. Use of personal protective equipment in the ward, hygiene and disinfectant hand washing, learning aseptic and antiseptic techniques.

Week 2: Nursing patient admission, Independent performance of body weight, height, blood pressure, pulse, temperature, breath rate, and blood glucose measurement, needs assessment and documentation. Assessment of nutritional and fluid intake needs. Learning to create proper environment for a new patient. Observation and marking of the patient's secretions. Assistance at ECG examinations. Administering medication, collecting blood samples, administering injections, securing an IV line, preparing for and monitoring infusion and transfusion therapy, and recognizing possible complications. Administering subcutaneous and intramuscular injections, determining bedside blood glucose under nursing supervision.

Week 3: Blood collection, injections and securing an IV line under nursing supervision. Continued practice of the tasks learned in weeks one and two. Learning the process, the protocol and the tools available of basic CPR.

Week 4: Continued practice of the tasks learned in the first three weeks.

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**Other courses with overlapping topics (obligatory, optional, or elective courses) in interdisciplinary areas. To minimize overlaps, topics should be coordinated. Code(s) of**

**courses (to be provided):**

AOKMAG1091\_1A, AOKCSA1138\_1A, AOKSGO1092\_1A, AOKNYE1125\_1A,  
AOKELT792\_1A, AOKMIK736\_1A

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**Requirements for attendance, options for making up missed sessions, and method of absence justification:**

Two days of absence are allowed, no further absences can be made up.

**Conditions for exemption from the practice placement:**

Minimum 6-month work experience as a nursing assistant or nurse.

Completed training at a healthcare vocational school, or proof of successful completion of a sectoral professional basic examination. Proof of successful completion of the basic examination of studies at the Faculty of Health Sciences.

Written confirmation of a completed nursing practice placement if the student transfers from another medical university.

**Required documents:**

Application for admission to a compulsory subject, a certificate of employment, or a certificate of a basic examination/qualification, or proof of completed practice placement.

**The required documents must be sent to the course coordinator**

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**Assessment methods during semester (number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks):**

**(number, topics, and dates of midterms and reports, method of inclusion in the course grade, opportunities for make-up and improvement of marks)**

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**Number and type of individual assignments to be completed, submission deadlines:**

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**Requirements for the successful completion of the course:**

Regular attendance during the practice placement. In accordance with the Study and Examination Regulations, signature can be obtained by participation in at least 75% of the practices. Completion of the checklist signed by the trainer.

**Medical Students' Activities List**

<b>Activity</b>	<b>Observed</b>	<b>Executed with assistance</b>	<b>Executed independently (compulsory element)</b>
Patient admission / taking nursing history	X	X	
Understanding and keeping patient documentation	X	X	X
Introducing and organizing the patient's environment	X	X	
Measurement of vital	X	X	X

parameters			
Taking samples of the patient's secretions (urine, stool, sputum, blood)	X	X	X
Preparing the patient for a local examination	X	X	
Preparing the patient for an off-site examination	X	X	
Meeting the basic care needs of a patient	X	X	
Bedding – empty bed	X	X	X
Bedding – bed occupied by an inpatient	X	X	
Moving the patient	X	X	
Hygiene and disinfectant hand washing	X	X	X
Adherence to the rules of asepsis and antisepsis	X	X	X
Use of sterile and nonsterile protective gloves	X	X	X
Patient assessment	X	X	
Carrying out ECG examinations	X	X	X
Determining bedside blood glucose	X	X	X
Preparing and administering SC injections	X	X	X
Preparing and administering IM injections	X	X	X
Administering medication to the patient	X	X	
Preparing infusion therapy	X	X	
Securing an IV line	X	X	
Preparing oxygen therapy	X	X	
Transfusion procedure	X	X	
Resuscitation BLS, AED	X	X	X
Pain assessment, pain relief	X	X	
Handling drains and tubes	X	X	
Preparation for bladder catheterization	X	X	X
Preparing a cleansing enema	X	X	X
Enteral feeding	X	X	
Perform wound care and wound dressing	X	X	

Decubitus risk assessment, prevention and treatment	X	X	
Preparing the patient for a surgery	X	X	
Post-operative patient monitoring	X	X	
Getting involved in teamwork	X	X	X
Communication with the patient	X	X	X
Patient education, healthy lifestyle education	X		

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**Type of assessment:**

practical examination

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**Examination requirements (list of examination topics, subject areas of tests, lists of mandatory parameters, figures, concepts and calculations, practical skills, optional topics for the project assignment recognized as an exam and the criteria for its completion and evaluation)**

A topic is randomly selected from the list of examination topics. The student performs the task specified in the selected topic. The student assesses the patient's nursing needs, detects, observes and documents the patient's parameters (pulse, blood pressure, temperature, respiration) in relation to the selected topic.

**EXAMINATION TOPICS**

1. Describe the disinfection methods used for general and basic care instruments and instruments in a hospital environment and explain the concepts of asepsis and antisepsis.
2. Describe the daily workflow in a hospital ward and the content of the nursing documentation. Task: A new patient is admitted to the ward. Place the patient in the ward, and record the patient's nursing history and any additional procedure on admission.
3. Do the preparations for bedding for a bedridden patient and for washing the patient. Clean and tidy the bed and its environment. Describe the patient's needs in terms of hygiene, comfort and safety.
4. Prepare to meet the toileting needs of a bedridden patient and carry out the related nursing task. Describe the tasks regarding quantitative and qualitative monitoring of the secretions, and record these on the nursing chart and in the nursing documentation.
5. When admitting a new patient, measure the weight and height of the patient (BMI). Take the temperature, breath and pulse count. Prepare to monitor the patient's blood pressure,

do the measurement, and record the readings of all the above tests on the nursing chart and in the nursing documentation.

6. Describe the options for meeting the patient's nutritional and fluid intake needs. Describe nursing tasks related to enteral nutrition and adequate fluid intake. Explain the management of the fluid chart.

7. Prepare to administer subcutaneous and intramuscular injections. Explain how to properly do the injection and complete the related documentation.

8. Describe the options for mobilizing the bedridden patient in bed. Do the mobilization while respecting the comfort and safety needs of the patient.

9. Prepare the patient for an invasive intervention that requires anesthesiology.

10. Describe the aspects of pre- and post-operative patient observation.

11. Place an elastic bandage on the patient's body and complete the related documentation.

12. Prepare for blood sampling and perform the procedure under the supervision of a nurse. Explain the possible complications of blood draw, possible sampling errors, the handling of the blood sample and the relevant documentation. Describe the sampling equipment necessary for the procedure.

13. Prepare the patient for venipuncture (cannulation). Describe the method of fixing the cannula, monitoring, and possible complications. Insert the cannula under the supervision of the nurse and complete the related documentation.

14. Prepare to administer the prescribed intravenous infusion. Assemble the infusion set. Complete the related documentation.

15. Prepare for blood glucose monitoring at the bedside. Explain the readings of the device that indicate low or high values. Enter the readings in the nursing chart and the nursing documentation.

16. Prepare to insert a permanent catheter. Explain the rules and the possible complications. Complete the related documentation.

17. Describe the general and specific diagnostic procedures of the relevant hospital ward and the necessary preparations for them. Do a 12-lead ECG on a patient with standard and chest leads. Explain the rules for placing the electrodes on the patient's body.

18. Describe the options and methods for Risk assessment of pressure ulcers. Do the risk assessment and complete the related documentation. Describe the options for prevention.

19. Prepare for wound management and for changing the dressing. Assess the condition of the wound. Complete the related documentation.

20. Describe the rules governing dosage, and the related tasks of the nursing staff regarding sorting and administration. Explain specified methods of administration (e.g. drops or inhalation) and describe how to do them. Administer the medication and complete the related documentation.

21. Describe the personal protective equipment used in the clinical environment and how to use it. Explain hazardous waste management. Explain the importance and possibilities of preventing nosocomial infections. Demonstrate the use of sterile and disposable rubber gloves.

22. Describe the symptoms and signs of circulatory and respiratory arrest. Prepare to start CPR, and describe the steps of Basic Life Support.

23. Prepare to determine the patient's blood group and to administer transfusion. Describe the related nursing tasks.

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**Method and type of grading (Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results in the end-of-term assessment. Possibilities of and conditions for offered grades.): (Share of theoretical and practical examinations in the overall evaluation, Inclusion of the results in the end-of-term assessment, Possibilities of and conditions for offered grades)**

Regular attendance at the practice is a prerequisite for signature, and the practical execution of the selected topic is graded with a mark of excellent (5) – pass (3) – fail (1). When grading, the student's proactive behavior, diligence and attitude during the practice placement may be taken into account.

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**List of coursebooks, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical and other applicable study aids; possibility of individual or group student consultation, if available:**

Type	Required	Author	Title	Publisher	Year of publication
Printed	no	Virginia Allum, Patricia McGarr	Cambridge english for nursing	Cambridge University Press	2008

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**Signature of habilitated instructor (course coordinator) announcing the course:**

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**Signature of the director of the host institution:**

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**Date of submission:**

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