CURRICULUM OF THE COURSE

Subject:	Hospital Information System		
Prerequisites:			
Study programme:	General medicine	*Form of study:*	daily
Category:	compulsory elective	*Study period:*	5,9
Teaching form:	practicals	*Range:*	1 hours / week
Evaluation:	examination	*Credits:*	2

Week	*Practical lesson*
1.	**Basics of hospital information systems.** Theory of HIS, parts of complex HIS (modules). HIS Medea. System start-up, access rights, password change, interface description, differences between individual modules, system lockout, principle of data saving and correct logout.
2.	**Communication between users in HIS.** Module of electronic mail, processing of electronic messages, messages confirmations. Noticeboard in HIS.
3.	**Central register.** Adding and deleting patients in central register. Central card, identification data, health data, monitoring of treatment, disablements, health reports, addresses, vaccinations, health insurances, dispensatory treatment, examination results.
4.	**Module of Outpatient clinics.** Interface description, main operating principles. Creation of new outpatient clinic card. Entry examination, anamnesis, emergency data set, score schemes, examination requests and orders.
5.	Waiting room. Outpatient clinic examination. Consilium report. Dispensatory treatment. Insurance. Disablements. Envelope of outpatient clinic card. Outpatient clinic and departments with beds. *Written test.*
6.	**Module of Inpatient departments.** Interface description, main operating principles. Administrative acceptance of patient into the department, entry examination, organisation of patients in rooms and beds.
7.	Creation of Health records. Displacement of patients in and between hospital inpatient departments. Administrative completion of hospitalization and discharging of hospitalized patient. Final report.
8.	Health reports, modification and printing of individual reports. Envelope of medical record. Printing modules, editing of printing outputs, predefined texts, templates, user configuration options.
9.	Main configuration in HIS, summary of hospital department features and modules in HIS. *Practical test.*
10.	**Common parts of hospital inpatient departments and outpatient clinics.** Medications. Acceptance of examination results, tools for operation of results, transfer of results in to the health records. Scenarios, diary, services.
11.	**Special modules of hospital inpatient departments.** Gynaecological and maternity department, Postneonatal department, newborn report, birth report. Module of Intensive Care Units.
12.	**Module of Surgery departments.** Interface description, main operating principles, surgery protocols, management of operating theatre.
13.	**HIS for nurses and caregivers.** Working with documentation, monitoring of uncommon events.
14.	Conception of safeness and clinical effectiveness. *Knowledge evaluation.*

Requirements to complete the course:

1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.
4. Final exam.

Recommended literature:

1. Majerník J., Kotlárová K.: Medicínska informatika 2 - Nemocničný informačný systém, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-812-2.
2. Majerník J., Švída M., Majerníková Ž.: Medicínska informatika, UPJŠ, Košice 2010, Equilibria, ISBN 978-80-7097-811-5.
3. Notes from exercises and manuals of hospital information systems.

Last modified: 23. January 2015