Full (Hun) name of the subject: Informatika (gyakorlat)

Program: Undivided program (pharmaceutical)

Schedule: full-time

Short name of the subject: Informatics (practice)

English name of the subject: Informatics (practice)

German name of the subject: Informatik (Praktikum)

Type of registration: obligatory/obligatory elective/elective/criteria requirement

Neptun code of the subject: GYKDEI107G1A

Responsible Department: Institute of Digital Health Sciences

Responsible tutor	Title, academic degree:
Dr. Szócska Miklós **Contact information:** **– phone:** **– email:** titkarsag.dei@semmelweis-univ.hu	professor, PhD

Name of the persons responsible for the teaching of the subject:	Title, academic degree:
Dr. Tamus Zoltán Ádám Dr. Sándor Zoltán	senior lecturer, PhD associate professor, PhD

Class per week: 2	Credit point(s): 2

Professional content, intent of acquirement and it's function in order to implement the goals of the program:

The goal of the course is to introduce the students to the applications of health information technology, especially the sources, organization, analysis and presentation of health information and knowledge. To improve the basic computer skills of students, including the use of office software tools, digital data storage and analysis methods. Acquisition and practical application of IT tools and methods required for later studies (e.g. preparation of a dissertation)

Short description of the subject:

– Knowledge of basic MS Office tools
– Sources of health information and knowledge, online scientific databases and the basics of evidence-based medicine

Course data							
Recommended term	Contact hours (lecture)	Contact hours (practice)	Contact hours (seminar)	Individual lectures	Total number of contact hours/ semester	Normal course offer	Consultations
1st semester	–	28	–	–	28	Autumn semester* Spring semester Both semesters (* Please underline)	–

Program of semester**

Topics of theoretical classes (pro week):
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Topics of practical classes (pro week):
1. MS Excel – basics of data storage 2. MS Excel – processing of data part 1 3. MS Excel – processing of data part 2 4. MS Excel – data representation, diagrams 5. MS Excel – advanced level exercises 6. Practice, preparation for the test 7. 1. test (Excel exercises, computer test) 8. Theoretical basics of databases 9. Creation of a simple database with Ms Access 10. Data extraction from databases, performing queries 11. Online health information sources 12. Presentation tools 13. Visualizations of medical data: Infographics, word clouds 14. 2. test (Access exercises and information searching, computer-based test)

Schedule of consultations:
by agreement

Course requirements

Prerequisites: –

Conditions of attending the classes, amount of acceptable absents, way of presentation of leave, opportunity for makeup:
Attendance of at least 75% of the practices, at least 50% result of both tests

Number, topics and dates of tests during the semester, opportunities of makeup and improvement of results***:
– Mid-term test on week 7 (topic: Excel) – Mid-term test on week 14 (topics: Access, online information sources) – Replacement test: 2 times in the first week of the exam period

Requirements of signature:
Attendance of at least 75% of the practices, at least 50% result of both tests

Number and type of projects students have to perform independently during the semester and their deadlines: –

Type of the semester-end examination: signature*/<u>practical grade</u>*/semi-final*/final* *(* Please underline)*

Examination requirements: as published by the education-research department on the MOODLE interface by the start of the academic term.

Form of the semester-end examination: <u>written</u>*/oral*/combinated examination*
(Please underline)*
The possibility and conditions for offering grades: –
Scientific, course related researches, publications, assays: *Recommended literature:* Meskó Bertalan: The Guide to the Future of Medicine, Webicina 2014 ISBN 9789631200072 Microsoft Office Help and Training Center: <u>https://support.office.com/</u> The educational materials are available in the Moodle system.
In the case of a subject lasting more than one semester, the position of the teaching/research department on the possibility of parallel enrolment and the conditions for admission**:** yes*/<u>no</u>*/on and individual assessment basis*   *(* Please underline)*
The course description was prepared by: Dr. Tamus Zoltán Ádám