UNIWERSYTET MEDYCZNY
IM. PIASTÓW ŚLĄSKICH WE WROCŁAWIU

Appendix No.3
to Resolution No. 2303
of Senate of Wroclaw Medical University
of 28 April 2021

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Syllabus for academic year: 2021/2022
Training cycle: 2021/20262-2025/2026

Description of the course

Course	Information Technologies Medical IT	Group of detailed education results	
		Group code D	Group name **BEHAVIOURAL AND SOCIAL SCIENCES**

Faculty	Faculty of Dentistry
Major	Dentistry
Form of studies	X full-time
Year of studies	I — Semester: X winter
Type of course	X obligatory
Language of study	X English

Number of hours
Form of education

	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Statistical Analysis Centre (Dep. in charge of the course)													
Direct (contact) education				10									
Distance learning													

Educational objectives :

1. To familiarize with statistical methods used in planning and carrying out a scientific experiment.
2. Knowledge of basic statistical concepts, experimental (research) systems and elements of epidemiology.
3. To familiarize students with the basic types of computer networks, databases, acquisition systems and signal processing.
4. Keeping electronic record and presentation of medical data.
5. Development social competences needed to practice the medical profession, in accordance with graduate's profile.

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Education result for course in relation to verification methods of the intended education result and the type of class:			
Number of detailed education result	Student who completes the course knows/is able to	Methods of verification of intended education results	Form of didactic class *enter the abbreviation
D.U.13	Use and process information via IT tools and employing modern sources of medical knowledge;	Final test	MC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):	
Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	10
2. Number of hours of distance learning:	0
3. Number of hours of student's own work:	10
4. Number of hours of directed self-study	-
Total student's workload	20
ECTS points for course	1,0

Content of classes:)

Classes

1. Advanced text editing in MS Word - working with extensive text documents (combining graphics with text, tables, formulas, symbols).
2. Excel spreadsheets - table and charts, data import, standard functions, creating functions of functions. Data presentation using charts. Examination of sample distributions using histograms. Creation of a data analysis tool.
3. Databases - MS Excel / MS Word - archiving, searching, sorting, filtering, communication between MS Office programs.
4. Creating a presentation in MS Power Point - slides, text and table templates, figure presentations, full presentation support, sound and animation. Interactive multimedia presentations.\
5. Final test

Basic literature

1. B.R. Kirkwood, J.A. Sterne – Essential Medical Statistics, Blackwell Science 1988, 2003

Additional literature and other materials

1. B. Rosner – Fundamentals of Biostatistics, Duxbury Thomson Learning 2000.

Preliminary conditions:
Knowledge of math and computer skills at the high school level

Conditions to receive credit for the course:
Attention! Attendance cannot be a condition for passing the course.

Attendance during classes (according to the study regulations), passing the final theoretical/practical test.

	Criteria for courses ending with a credit
Credit	Attendance during classes, passing the final theoretical/practical test.

Department in charge of the course:	Statistical Analysis Centre
Department address:	ul. K. Marcinkowskiego 2-6, 50-368 Wrocław pok. 4A 135.1, 4A 136.1
Telephone:	tel. 71 784 16 58
E-Mail:	cas@umed.wroc.pl

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Person in charge for the course:	dr hab. Krzysztof Kujawa
Telephone:	tel. 71 784 16 57, kom. 697 772 142
E-Mail:	krzysztof.kujawa@umed.wroc.pl

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Agnieszka Rusiecka	doctor of biological sciences	Medical sciences	assistant	MC

Date of Syllabus development

30.06.2021

Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ
LEKARSKO-STOMATOLOGICZNY
DZIEKAN

prof. dr hab. Marcin Mikulewicz

Dean's signature

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Syllabus developed by

dr Agnieszka Rusiecka

Signature of Head(s) of teaching unit(s)

Uniwersytet Medyczny we Wrocławiu
CENTRUM ANALIZ STATYSTYCZNYCH
p.o. dyrektora

dr hab. Krzysztof Kujawa