



**FACULTY OF PHARMACY  
MEDICAL UNIVERSITY SOFIA**

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**Approved from the Faculty council with protocol: 3/04.05.2022 г.**

DEAN:

/prof. Al.Zlatkov, DSc/

**DEPARTMENT “ORGANIZATION AND ECONOMICS OF PHARMACY”**

**SYLLABUS**

**of**

**INFORMATIONAL TECHNOLOGIES**

INCLUDED IN “**PHARMACY**” EDUCATION CURRICULUM

DEGREE OF EDUCATION: “**MASTER**”

CREDITS (ECTS): 3

## **ANNOTATION**

In this discipline the pharmacy students are trained to work effectively with the most often used programs of MS Office 2010 – MS Word, MS Excel, MS Power Point and with a statistical program MedCalc.

**Aim of the education on the subject:** This course is a practical continuation of the theoretical course on Statistical methods in Pharmacy and has the following concrete goals:

- to give the students all basic knowledge and skills in working with the last version of MS Office package programs - MS Word, MS Excel and MS Power Point, so they to be capable to create good looking MS Word and MS Excel documents and MS Power Point slide shows;
- to give the students all basic knowledge and skills that are needed to work with the last version of statistical program MedCalc;
- to give the students all basic knowledge and skills that are needed to do good statistical analyses in the field of medicine, pharmacy, biology and economics, using statistical program MedCalc.
- to give the students all basic knowledge and skills in adequate interpretation and good arrangement of the got statistical results.

**Structure of the program** – The program includes only practical classes, in which students are trained in the necessary theoretical knowledge and practical skills to achieve the objectives described above.

**Acquired competencies** – At the end of the course students will have the necessary theoretical knowledge and practical about:

- how to use the MS Office package programs - MS Word, MS Excel and MS Power Point, to create good looking MS Word and MS Excel documents and MS Power Point slide shows;
- how to use the basic statistical methods of statistical program MedCalc;
- how to use the statistical program MedCalc to do good statistical analyses in the field of medicine, pharmacy, biology and economics.
- how to interpret and arrange the got statistical results adequately.

**Type of control and evaluation:** Students must pass successfully 6 tests during semester – 3 tests on statistics and 3 tests on practical work with MS Office programs, applied mathematics and financial mathematics.

## English language training

### SYLLABUS

1. Practical work with MS Office 2010 programs.
2. Practicals on applied mathematics.
3. Practicals on financial mathematics.
4. Working with statistical program MedCalc
5. Descriptive statistics for one sample data
6. Basic statistical tests for one sample data
7. Basic parametric tests for two samples
8. Basic non-parametric tests for two samples
9. Quantitative methods in epidemiology
10. Applications of statistics in medicine and pharmacy.

Date .....

Program authors:

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