



МЕДИЦИНСКИ УНИВЕРСИТЕТ – ПЛОВДИВ  
MEDICAL UNIVERSITY – PLOVDIV

Фармацевтичен факултет  
Faculty of Pharmacy

КАТЕДРА „ХИМИЧНИ НАУКИ“  
DEPARTMENT OF CHEMICAL SCIENCES



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Syllabus of the practical course in organic chemistry  
For students in pharmacy – second year, III (winter) semester  
Academic 2020/2021

**Practical № 1 – 16.09.2020**

Laboratory instruments. Basic laboratory techniques. Methods for separation and purification of solid compounds. Recrystallization.

**Practical № 2 – 30.09.2020**

Methods for separation and purification of liquids. Types of distillation. Extraction and drying.

**Practical № 3 – 14.10.2020**

Chromatographic methods for purification, isolation and identification of organic compounds.

**Practical № 4 – 28.10.2020**

*Seminar* "Principles of the IUPAC nomenclature of organic compounds. Conformational and optical isomerism"

Synthesis of butyl acetate. Calculation of theoretical and practical yield of chemical reactions

**Practical № 5 – 11.11.2020**

*Seminar* "Preparation and chemical properties of alkenes and alkynes".

Synthesis of 2-chlorobutane.

**Practical № 6 – 25.11.2020**

*Colloquium* "Nomenclature, isomerism and hydrocarbon properties".

Reaction of electrophilic substitution. Iodination of salicylamide.

**Practical № 7 – 09.12.2020**

*Seminar* "Preparation and chemical properties of alcohols, diols, thioalcohols and phenols".

Reactions of elimination – preparation of cyclohexene. Oxidation of alcohols – synthesis of cyclohexanone.

Prepared by: .....

Head of the Department: .....

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(Assoc. Prof. K. Gavazov, PhD)

14.09.2020