



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 2021/2022

Practical № 1 – 15.09.2021

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

Practical № 2 – 29.09.2021

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

Practical № 3 – 13.10.2021

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

Practical № 4 – 27.10.2021

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 – 10.11.2021

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

Synthesis of 2-chlorobutane.

Practical № 6 – 24.11.2021

Colloquium "Nomenclature, isomerism and properties of hydrocarbons".

Reaction of electrophilic substitution. Iodination of salicylamide.

Practical № 7 – 08.12.2021

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:

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Head of the Department:

(Assoc. Prof. K. Gavazov, PhD)

08.09.2021