

86S1-BKICHG

RESEARCH ON COSMETICS AND HOUSEHOLD
CHEMICALS

ECTS: 3.0

HOURS PER SEMESTER/WEEK: LECTURES: 15/1; CLASSES: 30/2

FIELD OF THE STUDY: Chemistry

Level of study: First-cycle (Bachelor's degree) program

Course status: optional *

Year of the study: III

COURSE CONTENTS

LECTURES: Physicochemical methods of testing cosmetics, principles of selecting the method depending on the form. Overview of instrumental methods used in the analysis of individual groups of cosmetics (e.g. color agents, preparations with a UV filter, surfactants, perfumes, etc.). Polish and European standards and quality requirements for cosmetics. Applicable methods of analysis. Review of analytical methods used in laboratories of the cosmetics industry and household chemicals.

CLASSES: Qualitative and quantitative analysis of cosmetic ingredients. Methods of analysis and interpretation of research results. Analytical and physico-chemical tests of cosmetics and household chemistry products.

EDUCATIONAL PURPOSE: Acquainting with the analytical methods used in the research of cosmetics and household chemicals.

LEARNING OUTCOMES

Knowledge. The student lists and characterizes the ingredients of popular cosmetics and household chemicals. Describes and explains the phenomena and physicochemical processes that are the basis for their determination in accordance with applicable law. Knows and understands the rules of occupational health and safety in the laboratory.

Skills. The student is able to select and apply the appropriate technique of determination to determine the qualitative and quantitative composition of cosmetics and household chemicals. He can work in a small group being responsible for the tasks assigned to him. He is able to develop in an understandable way the results of experiments and present them in the form of a report.

Social competences. The student understands the need for continuous training and improving their professional competences.

TEACHING FORMS AND METHODS

Lectures. Lecture with multimedia presentation.

Classes. Performing experiments, analysis of results and discussion.

FORM AND CONDITIONS FOR VERIFICATION OF LEARNING OUTCOMES

Lectures. written test.

Classes. reports from all performed exercises.

BASIC LITERATURE

1) Salvador A., Chisvert A. (eds.) 2007. Analysis of Cosmetic Products. Elsevier

ADDITIONAL LITERATURE

1) Dreher F., Jungman E., Sakamoto K., Maibach H.I. (eds.). 2022. Handbook of Cosmetic Science and Technology. CRC Press

THE TEACHER/TEACHERS CONDUCTING THE CLASSES:

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