

Course unit title	COSMETIC CHEMISTRY AND MATERIAL SCIENCE
Course unit code	KS(SK)/2-4
Type of course unit	Compulsory
Level of course unit	First cycle
Year of study (if applicable)	First year
Semester/	Spring semester
Number of ECTS credits allocated	6 ECTS
Learning outcomes of the course unit	Upon completion of the course unit, students will be able to: LO1. Describe the chemical composition of cosmetic products and the properties of cosmetic ingredients. LO2. Identify the functions of ingredients and their effects on the skin. LO3. Analyse the composition of cosmetic products and evaluate their safety. LO4. Apply knowledge when selecting cosmetic products.
Mode of delivery	Blended learning
Prerequisites and co-requisites	Students must have completed the courses Professional Language, Anatomy, Physiology and Pathology, Biochemistry and Biophysics.
Course contents	Chemical composition of cosmetic products and their main components. Organic substances in cosmetics: carbohydrates and lipids. Cosmetic ingredients and their functions. Biologically active substances and their effects on the skin. Composition, development and action of cosmetic products. Safety of cosmetic products and adverse effects. Types of cosmetic products and their application.
Planned learning activities and teaching methods	Lectures, explanation, demonstrations, discussions, problem-based questions, case analysis, practical work, independent learning and individual assignments.
Assessment	Examination – 50%. Continuous assessment – 50% (Test – 20%; Oral questioning – 10%; Presentation – 20%; Practical skills assessment – 50%)
Language of instruction.	English
Work placement(s)	Utenos kolegija Higher Education Institution Faculty of Medicine