

Course title: Introduction to bioorganic chemistry						
	Specialty	Semester	Number of ECTS	Number of hours in the class	Form	
	Foreign students	summer	2	15	Lecture	
Name of lecturer: Prof. Adam Lesner						
Objective of the course (expected learning outcomes and competences to be acquired)						
Students will be introduced to the outlined course contents. Fundamental groups of the naturally occurring organic compounds, including their structure and biological activity, will be presented and discussed.						
Prerequisites:						
<ul style="list-style-type: none"> - completed courses in organic chemistry - based knowledge of organic chemistry and biochemistry 						
Teaching methods:						
<ul style="list-style-type: none"> • Lecture with multimedia presentation 						
Course contents						
Structure and biological functions of the selected groups of the naturally occurring organic compounds – alkaloids, steroids, vitamins. Naturally occurring non-proteinogenic amino acids. Toxins of plant and animal origin. Non-ribosomal peptide synthesis. Biosynthesis of bacterial cell wall.						
Recommended reading:						
A. Primary literature: Academic handbooks of bio- and organic chemistry						
Assessment methods:						
<ul style="list-style-type: none"> • end-term test 						
Language of instruction: English						