

<b>Module title</b>		<b>Abbreviation</b>
Organic Chemistry Including Nomenclature and Stereochemistry for Food Chemistry Students		o8-LMC-OC-192-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Medicinal and Pharmaceutical Chemistry		Institute of Pharmacy and Food Chemistry
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Basic principles of organic chemistry, such as nomenclature, types of chemical bondings; Sum formulas, structural formulas; Reaction types and mechanisms; chemical characteristics; Reaction of the most important chemical families, especially of natural products; Chemistry of functional groups; Structure and Reactivity; Basics in synthetic and biopolymers. Stereochemistry and nomenclature of the most important chemical families, with focus on natural products.		
<b>Intended learning outcomes</b>		
The students know basic synthesis mechanisms and can deduce the reactions and properties of chemical compounds based on their functional groups. The students know the rules for the nomenclature of organic compounds according to IUPAC, common trivial names and the derivation of the structural formulas by the structure name. They know the basic concepts and the meaning of stereochemistry as well as rules to term stereochemical compounds.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
S (1) + S (1) + V(4)		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
a) written examination (60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total)		
<b>Allocation of places</b>		
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<b>Additional information</b>		
Pursuant to Section 2 Subsection 2 Sentence 2 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. I 2. Letter b) and No. I 1. Letter b) of Annex 1 of APOLmCh and No. 2 of Annex 2 of APOLmCh.		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Food Chemistry (2019)		