

Module title		Abbreviation
Organic Chemistry Including Nomenclature and Stereochemistry for Food Chemistry Students		o8-LMC-OC-192-m01
Module coordinator		Module offered by
holder of the Chair of Medicinal and Pharmaceutical Chemistry		Institute of Pharmacy and Food Chemistry
ECTS	Method of grading	Only after succ. compl. of module(s)
10	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
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.		
Intended learning outcomes		
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.		
Courses (type, number of weekly contact hours, language – if other than German)		
S (1) + S (1) + V (4)		
Method of assessment (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)		
Allocation of places		
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Additional information		
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.		
Workload		
300 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor' degree (1 major) Food Chemistry (2019)		