

Module title		Abbreviation
Quantitative Inorganic Analysis for Food Chemistry Students		o8-LMC-AC3-152-m01
Module coordinator		Module offered by
holder of the Chair of Food Chemistry		Institute of Pharmacy and Food Chemistry
ECTS	Method of grading	Only after succ. compl. of module(s)
14	(not) successfully completed	o8-LMC-AC1
Duration	Module level	Other prerequisites
2 semester	undergraduate	--
Contents		
Reaction equation, stoichiometry and reaction of elements and substance groups. Quantitative inorganic analysis, with focus on elements frequently occurring in (drinking) water, and environment or which are of toxicological interest.		
Intended learning outcomes		
The students perform independently a literature research on the inorganic composition and analysis of different types of water and present the results. They can select and apply an appropriate analytical method for a precise and correct quantification of inorganic ions in water samples. They can interpret the quality and relevance of the results obtained. They identify relevant key data for the interpretation and discussion of their results, taking into account the nature of the water sample.		
Courses (type, number of weekly contact hours, language – if other than German)		
P (10) + S (1) + S (1)		
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) Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), documentation and assessment of practical assignments (approx. 2 to 4 pages per analysis, no more than 60 pages total) or b) completion and written documentation (approx. 1 to 2 pages) of a theoretical assignment (approx. 30 minutes), Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), documentation and assessment of practical assignments in lab notebook (approx. 2 to 4 pages per analysis, no more than 60 pages total) and talk (approx. 20 minutes) Assessment offered: Once a year, summer semester		
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 a) and No. I 1. Letter a) of Annex 1 of APOLmCh and No. 1 of Annex 2 of APOLmCh.		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor' degree (1 major) Food Chemistry (2015) Bachelor' degree (1 major) Food Chemistry (2016) Bachelor' degree (1 major) Food Chemistry (2019)		