Module title			Abbreviation
Quantitative Inorganic Analysis for Food Chemistry Students			08-LMC-AC3-092-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	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Chemical equations and stoichiometry, chemical behaviour of reactants (elements and categories of substances) as well as their quantitative inorganic analysis with a special focus on elements commonly found in drinking and process water that can be used to determine the provenance of samples and that may pose environmental or toxicological risks.

Intended learning outcomes

Students will independently search literature for the inorganic constituents of different drinking and process waters and will deliver a presentation on the results of their work. They will select appropriate methods, analyse different water samples, verify the accuracy of the results obtained and interpret them on the basis of relevant data.

Courses (type, number of weekly contact hours, language — if other than German)

P + S + S (no information on SWS (weekly contact hours) and course language available)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

oral examinations of one candidate each during lab course (approx. 15 minutes), talk (approx. 20 minutes), proof of correctness and reproducibility of analyses including documentation in lab notebook in the form of logs of analyses (approx. 8 pages per analysis, approx. 80 pages total)

Allocation of places

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Additional information

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Workload

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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's degree (1 major) Food Chemistry (2009)