

Module title		Abbreviation
Instrumental Analysis for Food Chemistry Students		o8-LMC-LMA-252-mo1
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)
10	(not) successfully completed	o8-OCP1-LMC
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Fundamental principles of the analysis of foods, tobacco products, cosmetics, consumer goods and feeds; in particular spectroscopic and chromatographic methods.		
Intended learning outcomes		
Students have developed the ability to plan and perform qualitative and quantitative analyses of foods using spectroscopic (photometry, fluorimetry) and chromatographic (thin-layer chromatography, high performance liquid chromatography, gas chromatography) methods.		
Courses (type, number of weekly contact hours, language — if other than German)		
S (1) + S (1) + P (10)		
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)		
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.		
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's degree (1 major) Food Chemistry (2025)		