

Module title		Abbreviation
Chemometrics		o8-LMC-Ch-212-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)
3	(not) successfully completed	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Principles of collection of data and data processing, criteria for measurements, arrangement and organization of data, measures for data characterization, key figures (measures of location scales, dispersion measures), presentation of univariate sampling, characterization and presentation of associations, measures of associations, basics of probability theory and simple probability models, chemometric applications		
Intended learning outcomes		
The students master the basic principles of scientifically reasonable planning, implementation, evaluation and interpretation of chemical analysis with systematic aid of mathematical methods.		
Courses (type, number of weekly contact hours, language – if other than German)		
S (2)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
written exercises (approx. 10 pages) Assessment offered: Once a year, winter term		
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. II 2. Letter a) of Annex 1 of APOLmCh and No. 1 of Annex 3 of APOLmCh.		
Workload		
90 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 (2021) Bachelor's degree (1 major) Food Chemistry (2025)		