

<b>Module title</b>		<b>Abbreviation</b>
Introduction to Instrumental Analysis for Food Chemistry Students		o8-LMC-IA-152-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Food Chemistry		Institute of Pharmacy and Food Chemistry
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Fundamental principles of the analysis of organic molecules; physical separation techniques and measurement methods.		
<b>Intended learning outcomes</b>		
Students have learned the principles of spectroscopy, chromatography and electrochemistry. They have become familiar with typical fields of application of those methods as well as with the necessary detectors. They know how to analyse spectra and chromatograms mathematically and statistically and how to interpret them.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (3)		
<b>Method of assessment</b> (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)		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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. 1 2. Letter a) of Annex 1 of APOLmCh and No. 1 of Annex 2 of APOLmCh.		
<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Food Chemistry (2015) Bachelor' degree (1 major) Food Chemistry (2016) Bachelor' degree (1 major) Food Chemistry (2019) Bachelor' degree (1 major) Food Chemistry (2021)		