

<b>Module title</b>		<b>Abbreviation</b>
Nutritional Biochemistry - Practical course		o8-LMC-BCdE2-161-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>
7	(not) successfully completed	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
Cell fractionation and characterisation, enzyme kinetics, conversion of a substrate with cell fractions and identification of metabolites using instrumental methods of analysis.		
<b>Intended learning outcomes</b>		
Students have developed the ability to independently perform homogenisations and fractionations of cells and tissues as well as to use biochemical methods (e.g. determination of enzyme kinetics) to characterise the fractions. They are able to independently plan an incubation mixture for a metabolic conversion, to perform that conversion and to identify the metabolites using suitable instrumental methods of analysis.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
P (4) + P (4)		
<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)		
lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical assignments (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English		
<b>Allocation of places</b>		
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<b>Additional information</b>		
Pursuant to Section 18 Subsection 2 Sentence 1 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 3. of Annex 3 of APOLmCh and Section 18 Subsection 3 Sentence 1 APOLmCh. 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 1. Letter c of Annex 1 of APOLmCh.		
<b>Workload</b>		
210 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>		
Master's degree (1 major) Food Chemistry (2016)		