

<b>Module title</b>		<b>Abbreviation</b>
Biochemistry 2		o8-BC2-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Biochemistry		Chair of Biochemistry
<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>		
<p>Comprising lectures and exercises, this module acquaints students with the fundamental principles of biochemistry. A particular focus is on replication, DNA repair, transcription, mRNA maturation, translation and translational regulation, protein targeting, nuclear transport and protein degradation. The module also discusses the fundamental principles of cellular signal transduction.</p>		
<b>Intended learning outcomes</b>		
<p>Students have become familiar with the fundamental principles of the topics in biochemistry that were discussed in the module. They are able to describe the key biochemical processes in cellular systems.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (1)		
<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)		
written examination (approx. 60 to 90 minutes)		
<b>Allocation of places</b>		
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<b>Additional information</b>		
<p>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 e) and No. II 1. Letter c) of Annex 1 of APOLmCh and No. 3 of Annex 3 of APOLmCh.</p>		
<b>Workload</b>		
150 h		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
<p>Bachelor' degree (1 major) Biochemistry (2015)          Bachelor' degree (1 major) Biology (2015)          Bachelor' degree (1 major) Chemistry (2015)          Bachelor' degree (1 major) Food Chemistry (2015)          Bachelor' degree (1 major) Food Chemistry (2016)          Bachelor' degree (1 major) Biology (2017)          Bachelor' degree (1 major) Biochemistry (2017)          Bachelor' degree (1 major) Chemistry (2017)          Bachelor' degree (1 major) Food Chemistry (2019)          Bachelor' degree (1 major) Biology (2021)          Bachelor' degree (1 major) Food Chemistry (2021)          Bachelor' degree (1 major) Biochemistry (2022)          Bachelor' degree (1 major) Biology (2022)</p>		

