

<b>Module title</b>		<b>Abbreviation</b>
Organo- and Biocatalysis		o8-HKM1-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
lecturer of the seminar "Organo- and Biokatalyse"		Faculty of Chemistry and Pharmacy
<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	graduate	--
<b>Contents</b>		
German contents available but not translated yet.		
Das Modul vertieft Inhalte der Chemie organischer Verbindungen und Enzymen in katalytischen Prozessen. Schwerpunkte der Organokatalyse sind entantioselektive Umsetzung, Prinzipien, Green Chemistry, Substanzklassen und Einsatzbereiche. In der Biokatalyse wird im Detail die Wirkung von Enzymen unter verschiedenen Aspekten, insbesondere bei der organischen Synthese, betrachtet.		
<b>Intended learning outcomes</b>		
German intended learning outcomes available but not translated yet.		
Die Studierenden können Organokatalysatoren kategorisieren und ihre Wirkung sowie Einsatzbereiche erklären. Er/Sie kann Struktur und Anwendungen von Enzymen in der organischen Synthese darstellen. Er/Sie ist in der Lage, die Wirkung von Enzymen mechanistisch zu beschreiben und analysieren.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
S (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 (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English		
<b>Allocation of places</b>		
--		
<b>Additional information</b>		
--		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
--		
<b>Module appears in</b>		
Master's degree (1 major) Biochemistry (2015) Master's degree (1 major) Chemistry (2016) Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016) Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016) Master's degree (1 major) Biochemistry (2017) Master's degree (1 major) Chemistry (2018) Master's degree (1 major) Biochemistry (2019) Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020) Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)		