

Module title		Abbreviation
Supramolecular Chemistry (Basics)		o8-SCM1-152-m01
Module coordinator		Module offered by
lecturer of lecture "Organischen Chemie"		Faculty of Chemistry and Pharmacy
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
German contents available but not translated yet.		
Das Modul führt in die Grundlagen der Supramolekularen Chemie ein. Schwerpunkte sind Zwischenmolekulare Wechselwirkungen, molekulare Erkennung mit Rezeptoren, Komplexe, supramolekulare Polymere, Koordinationspolymere und --netzwerke, Flüssigkristalle, Selbstorganisation in wässrigen Medien, künstliche Ionenkanäle und moderne Anwendungen supramolekularer Chemie.		
Intended learning outcomes		
German intended learning outcomes available but not translated yet.		
Die Studierenden sind in der Lage, zwischenmolekulare Wechselwirkungen auf fachlich hohem Niveau zu erklären und Bildung, Struktur sowie Polymere von Koordinationsverbindungen darzustellen. Er/Sie kann in wässrigen Medien die Selbstorganisation beschreiben und künstliche Ionenkanäle charakterisieren. Er/Sie kann moderne Anwendungen supramolekularer Chemie aufzählen.		
Courses (type, number of weekly contact hours, language — if other than German)		
S (3)		
Method of assessment (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. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English		
Allocation of places		
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Additional information		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) Biofabrication (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) Chemistry (2018) 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)		