

Module title		Abbreviation
Concepts of Inorganic Chemistry		o8-AC-KAC-152-mo1
Module coordinator		Module offered by
lecturers of lecture "Konzepte der Anorganischen Chemie" (Concepts of Anorganic Chemistry)		Institute of Inorganic Chemistry
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
This module provides an introduction to atoms and the MO theory. It discusses the orbital model, the VSEPR theory and the valence bond theory. The course also focuses on redox reactions, acids and bases and electrochemistry.		
Intended learning outcomes		
Students are able to describe the bonding situations and geometry of molecules of lower complexity on the basis of different models. They are able to assign oxidation numbers to atoms in chemical compounds and know different acid-base concepts.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (1) + Ü (2)		
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 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English		
Allocation of places		
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Additional information		
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Workload		
150 h		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 42 I Nr. 1 § 62 I Nr. 1		
Module appears in		
First state examination for the teaching degree Grundschule Chemistry (2015) First state examination for the teaching degree Realschule Chemistry (2015) First state examination for the teaching degree Gymnasium Chemistry (2015) First state examination for the teaching degree Mittelschule Chemistry (2015) First state examination for the teaching degree Mittelschule Chemistry (2020 (Prüfungsordnungsversion 2015))		
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