

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		
The module provides an introduction to atoms and the MO theory. Topics are the orbital model, the VSEPR theory, and the valence bond theory. Further focuses are redox reactions, acids and bases, and electrochemistry.		
Intended learning outcomes		
The student is able to outline the bonding situation and the structure of simple molecules based on different basic theories. He/She can assign oxidation numbers to atoms in chemical compounds and knows 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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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))		