

# Module description

Module title				Abbreviation	
Inorganic Chemistry 1 08-AC1-092-m01					
Module	coordinator		Module offered by	·	
lecturer of lecture "Experimentalchemie" (Experimental Institute of Inorganic Chemistry Chemistry)					
ECTS Method of grading		Only after succ. con	Only after succ. compl. of module(s)		
21 numerical grade					
Duratio	n Module level	Other prerequisites			
1 semester undergraduate					
Contents					
les, metals, acid-base reactions, the periodic table, chemical equilibrium and complexometry. In addition, the module introduces fundamental models of chemistry and principles of inorganic chemistry. It includes practical exercises based on the lecture on experimental chemistry and its extension. After a safety briefing, the students autonomously conduct experiments in the laboratory. The course focuses on laboratory safety, simple lab techni- ques, the synthesis of simple substances and analyses of unknown substances. In addition, students have the opportunity to advance their laboratory knowledge. Intended learning outcomes					
le to explain basic models of the structure of matter. They have developed the ability to use the language of che- mical formulas to describe chemical reactions and to interpret them by identifying the type of reaction. Students are able to describe the main quantitative and qualitative analytical methods and their application areas. They are able to identify fundamental problems in chemistry and perform experiments to solve them. They have deve- loped the ability to perform the necessary stoichiometric calculations and describe the chemical processes in an appropriate manner, both in written and oral form.					
Courses (type, number of weekly contact hours, language — if other than German)					
<ul> <li>This module has 4 components; information on courses listed separately for each component.</li> <li>o8-AC1-1-092: V + V + Ü (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-2-092: P (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-3-092: V (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-3-092: P (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-3-092: P (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-3-092: P (no information on language and number of weekly contact hours available)</li> </ul>					
<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)					
This module has the following 4 assessment components. Unless stated otherwise, students must pass all of these assessment components to pass the module as a whole					
Assessment component to module component o8-AC1-1-092: Grundlagen der Allgemeinen and Anorganischen Chemie					
• 1 • a • a	<ul> <li>10 ECIS credits, method of grading: numerical grade</li> <li>a) 1-3 written exams(1 written examination 90 minutes, 2 written examsje 60 or 90 minutes, 3 written examsje 60 minutes) or b) oral examination of on candidate each (approx. 20 minutes) or c) oral examination in groups (groups of two, approx. 30 minutes)</li> </ul>				
<ul> <li>Assessment component to module component o8-AC1-2-o92: Praktikum Anorganische Chemie 1</li> <li>6 ECTS credits, method of grading: (not) successfully completed</li> <li>Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance, Nachtestate (post-experiment exams, approx. 15 minutes each)</li> <li>examination offered once a year winter semester</li> </ul>					
Assessment component to module component o8-AC1-3-092: Erläuterungen zum Praktikum Anorganische Che-					
mie 1					
• 4 • 3	<ul> <li>4 ECTS credits, method of grading: numerical grade</li> <li>3 written examinations (45 minutes each), weighted 1:1:1, dates to be announced</li> </ul>				

#### Julius-Maximilians-UNIVERSITÄT WÜRZBURG

## Module description

Assessment component to module component o8-AC1-4-092: Sicheres Arbeiten in chemischen Laboratorien

- 1 ECTS credits, method of grading: (not) successfully completed
- practical assessment (safety drill in laboratory, length to be specified at the beginning of the course

### Allocation of places

Additional information

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Workload

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Teaching cycle

**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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### Module appears in

Bachelor' degree (1 major) Chemistry (2009)

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