Module title			Abbreviation
Solid State Chemistry, Spectroscopic Methods, Organoelement Chemistry			08-AC-FSE-152-m01

Module coordinator	Module offered by
lecturers of lecture "Festkörperchemie" (Solid State Chemistry) and "Elementorganische Chemie" (Elemental Organic Chemistry)	Institute of Inorganic Chemistry

ECTS	Method of grading	Only after succ. compl. of module(s)
12	numerical grade	--

Duration	Module level	Other prerequisites
2 semester	undergraduate	--

Contents

This module equips students with an advanced knowledge of metals, alloys, saline compounds and organometallics. It focuses on their structures and properties, special material classes, reactivity and technical processes.

Intended learning outcomes

Students are able to describe the structure and properties of metals, alloys, saline compounds and organometallics in an appropriate manner. They are able to systemise them and characterise their structure and reactivity. In addition, they are able to develop and explain principles for the synthesis of elementary organic compounds. They can list spectroscopic methods that can be used for the structural analysis of solids and can describe them in an appropriate manner.

Courses (type, number of weekly contact hours, language — if other than German)

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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

360 h

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

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Module appears in

Bachelor' degree (1 major) Chemistry (2015)
Bachelor' degree (1 major) Chemistry (2017)