

Module title		Abbreviation
Inorganic Chemistry 3 for Biochemistry Majors		o8-AC3-BC-131-m01
Module coordinator		Module offered by
lecturer of lecture "Elementorganische Chemie" (Elemental Organic Chemistry)		Institute of Inorganic Chemistry
ECTS	Method of grading	Only after succ. compl. of module(s)
9	numerical grade	o8-OC3P
Duration	Module level	Other prerequisites
1 semester	undergraduate	By way of exception, additional prerequisites are listed in the section on assessments.
Contents		
<p>German contents available but not translated yet.</p> <p>Das Modul vermittelt vertiefendes Wissen über Organometalle. Schwerpunkte sind Struktur und Eigenschaften, Spezielle Stoffklassen, Reaktivität und Technische Prozesse. Das Modul bietet die Möglichkeit, nach eigener Recherche komplexe Synthesen zu planen und durchzuführen. Schwerpunkte sind Umgang mit Organometallverbindungen, deren Synthese und Arbeiten mit Schutzatmosphären. Inhalte der Spektroskopie werden zur genauen Bestimmung der Produkte herangezogen.</p>		
Intended learning outcomes		
<p>German intended learning outcomes available but not translated yet.</p> <p>Der/Die Studierende kann die Struktur und Eigenschaften von Organometallen fachgerecht darstellen. Er/Sie ist in der Lage, diese zu systematisieren und in Bezug auf Struktur und Reaktivität zu charakterisieren. Zudem kann er/sie Syntheseprinzipien für elementorganische Verbindungen entwickeln und erklären. Der/Die Studierende ist in der Lage, nach eigener Recherche komplexe Fragestellungen experimentell zu lösen. Er/Sie kann die fachlichen Hintergründe beschreiben und diese schriftlich sowie mündlich unter Verwendung von Fachsprache erklären. Er/Sie kann die Synthese eines Stoffes selbstständig planen und eigenständig durchführen. Hierfür kann er/sie anspruchsvollere Labortechniken anwenden.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> o8-AC3-BC-2-131: P (no information on SWS (weekly contact hours) and course language available) o8-AC3-1-102: V + Ü (no information on SWS (weekly contact hours) and course language available) 		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.</p> <p>Assessment in module component o8-AC3-BC-2-131: Inorganic Chemistry 2 (lab) for Biochemistry Majors</p> <ul style="list-style-type: none"> 5 ECTS, Method of grading: (not) successfully completed pre/post-experiment examination talks (Vor-/Nachtestate, approx. 15 minutes each), log (approx. 5 to 10 pages) Language of assessment: German or English <p>Assessment in module component o8-AC3-1-102: Elemental Organic Chemistry Elemental Organic Chemistry</p> <ul style="list-style-type: none"> 4 ECTS, Method of grading: numerical grade a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English 		

- Other prerequisites: Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the beginning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).

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

Bachelor' degree (1 major) Biochemistry (2013)