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| <b>Module title</b>  |                          | <b>Abbreviation</b>                         |
| General Chemistry for Physics and Engineers  |                          | o8-CP1-102-m01                              |
| <b>Module coordinator</b>  |                          | <b>Module offered by</b>                    |
| lecturer of the course   |                          | Institute of Inorganic Chemistry            |
| <b>ECTS</b>  | <b>Method of grading</b> | <b>Only after succ. compl. of module(s)</b> |
| 10   | numerical grade          | --  |
| <b>Duration</b>  | <b>Module level</b>      | <b>Other prerequisites</b>                  |
| 1 semester   | undergraduate            | --  |
| <b>Contents</b>  |                          |   |
| German contents available but not translated yet.  |                          |   |
| Das Modul vermittelt die Grundlagen der Anorganischen sowie der Organischen Chemie. Im Praktikum lernen die Studierenden zudem grundlegende Arbeitstechniken kennen und führen einfache Versuche selbst durch.   |                          |   |
| <b>Intended learning outcomes</b>  |                          |   |
| German intended learning outcomes available but not translated yet.  |                          |   |
| Der/Die Studierende kann die Prinzipien des Periodensystems darstellen und kann daraus Informationen gewinnen. Er/Sie kann grundlegende Modelle des Aufbaus der Materie erklären. Chemische Reaktionen kann er/sie mit chemietypischer Formelsprache darstellen und durch Identifikation des Reaktionstyps interpretieren. Der/Die Studierende ist in der Lage, grundlegende chemische Fragestellungen zu identifizieren und kann diese experimentell lösen.   |                          |   |
| <b>Courses</b> (type, number of weekly contact hours, language – if other than German)   |                          |   |
| This module comprises 3 module components. Information on courses will be listed separately for each module component.   |                          |   |
| <ul style="list-style-type: none"> <li>• o8-IOC-1-072: V (no information on SWS (weekly contact hours) and course language available)</li> <li>• o8-CP1-3-072: P (no information on SWS (weekly contact hours) and course language available)</li> <li>• o8-CP1-1-102: V (no information on SWS (weekly contact hours) and course language 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)   |                          |   |
| 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.   |                          |   |
| <b>Assessment in module component o8-IOC-1-072:</b> Organic Chemistry for students of medicine, biomedicine, dental medicine, engineering and natural science <ul style="list-style-type: none"> <li>• 3 ECTS, Method of grading: numerical grade</li> <li>• written examination (approx. 60 minutes)</li> </ul>   |                          |   |
| <b>Assessment in module component o8-CP1-3-072:</b> General and Analytical Chemistry (lab) <ul style="list-style-type: none"> <li>• 2 ECTS, Method of grading: (not) successfully completed</li> <li>• for each experiment: Vortestate (pre-experiment exams, approx. 10 minutes each), assessment of practical performance (log, 2 to 5 pages), Nachtstate (post-experiment exams, approx. 10 minutes each)</li> <li>• Assessment offered: once a year, summer semester</li> <li>• Only after successful completion of module components: Successful completion of module component o8-CP1-1 is a prerequisite for participation in module component o8-CP1-3.</li> </ul> |                          |   |
| <b>Assessment in module component o8-CP1-1-102:</b> Principles of Inorganic Chemistry for Physics and Engineering Majors <ul style="list-style-type: none"> <li>• 5 ECTS, Method of grading: numerical grade</li> <li>• written examination (approx. 90 minutes)</li> </ul>  |                          |   |
| <b>Allocation of places</b>  |                          |   |
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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) Physics (2010)  
Bachelor' degree (1 major) Physics (2012)  
Bachelor' degree (1 major) Nanostructure Technology (2010)  
Bachelor' degree (1 major) Nanostructure Technology (2012)