

<b>Module title</b>		<b>Abbreviation</b>
Physical Chemistry for Biology Majors		o8-PC-Bio-102-m01
<b>Module coordinator</b>		<b>Module offered by</b>
lecturer of lecture "Thermodynamik, Kinetik, Elektrochemie für Studierende der Biologie and Lebensmittelchemie"		Institute of Physical and Theoretical Chemistry
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
This module deals with basics of thermodynamics, kinetics and electrochemistry.		
<b>Intended learning outcomes</b>		
German intended learning outcomes available but not translated yet.		
Der/Die Studierende verfügt über Grundkenntnisse der Thermodynamik, der Kinetik und der Elektrochemie. Er/Sie ist dadurch befähigt, grundlegende Prozesse in Natur und Technik zu verstehen und zu erläutern.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
This module comprises 2 module components. Information on courses will be listed separately for each module component.		
<ul style="list-style-type: none"> <li>• o8-PC-Bio-2-072: P (no information on SWS (weekly contact hours) and course language available)</li> <li>• o8-PC-Bio-1-102: V + Ü (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-PC-Bio-2-072:</b> Physical Chemistry (lecture and lab) <ul style="list-style-type: none"> <li>• 1 ECTS, Method of grading: (not) successfully completed</li> <li>• Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance (log approx. 5 to 10 pages), Nachtestate (post-experiment exams, approx. 15 minutes each)</li> <li>• Assessment offered: once a year, winter semester</li> </ul>		
<b>Assessment in module component o8-PC-Bio-1-102:</b> Thermodynamics, Kinetics, Electrochemistry Thermodynamics, Kinetics, Electrochemistry <ul style="list-style-type: none"> <li>• 4 ECTS, Method of grading: numerical grade</li> <li>• written examination (approx. 60 minutes)</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 42 (1) 1. Chemie "Allgemeine und Anorganische Chemie" und "Physikalische und Analytische Chemie"		
<b>Module appears in</b>		
Bachelor' degree (1 major) Biology (2011)		
Bachelor' degree (1 major) Biology (2010)		