

<b>Module title</b>		<b>Abbreviation</b>
Physical Chemistry for Biology Majors		o8-PC-Bio-072-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 discusses the fundamental principles of thermodynamics, kinetics and electrochemistry.		
<b>Intended learning outcomes</b>		
Students have become familiar with the fundamental principles of thermodynamics, kinetics and electrochemistry. They are able to understand and explain fundamental processes in nature and engineering.		
<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-1-062: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>o8-PC-Bio-2-072: P (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. <p><b>Assessment in module component o8-PC-Bio-1-062:</b> Thermodynamics, Kinetics, Electrochemistry (lecture) Thermodynamics, Kinetics, Electrochemistry (lecture)</p> <ul style="list-style-type: none"> <li>4 ECTS, Method of grading: numerical grade</li> <li>written examination (60 minutes)</li> </ul> <p><b>Assessment in module component o8-PC-Bio-2-072:</b> Physical Chemistry (lecture and lab)</p> <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), Nachtstate (post-experiment exams, approx. 15 minutes each)</li> <li>Assessment offered: once a year, winter semester</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
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<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Biology (2007) Bachelor' degree (1 major) Food Chemistry (2009)		

