

Module title		Abbreviation
Physical Chemistry for Biology Majors		o8-PC-Bio-102-m01
Module coordinator		Module offered by
lecturer of lecture "Thermodynamik, Kinetik, Elektrochemie für Studierende der Biologie and Lebensmittelchemie"		Institute of Physical and Theoretical Chemistry
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
This module discusses the fundamental principles of thermodynamics, kinetics and electrochemistry.		
Intended learning outcomes		
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.		
Courses (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"> o8-PC-Bio-2-072: P (no information on SWS (weekly contact hours) and course language available) o8-PC-Bio-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)		
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.		
Assessment in module component o8-PC-Bio-2-072: Physical Chemistry (lecture and lab) <ul style="list-style-type: none"> 1 ECTS, Method of grading: (not) successfully completed 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) Assessment offered: once a year, winter semester 		
Assessment in module component o8-PC-Bio-1-102: Thermodynamics, Kinetics, Electrochemistry Thermodynamics, Kinetics, Electrochemistry <ul style="list-style-type: none"> 4 ECTS, Method of grading: numerical grade written examination (approx. 60 minutes) 		
Allocation of places		
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Additional information		
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Workload		
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Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 42 (1) 1. Chemie "Allgemeine und Anorganische Chemie" und "Physikalische und Analytische Chemie"		
Module appears in		
Bachelor' degree (1 major) Biology (2011) Bachelor' degree (1 major) Biology (2010)		

