

Module title		Abbreviation
Thermodynamics, Kinetics, Electrochemistry		o8-PC-TKE-152-m01
Module coordinator		Module offered by
lecturer of lecture "Thermodynamik, Kinetik, Elektrochemie"		Institute of Physical and Theoretical Chemistry
ECTS	Method of grading	Only after succ. compl. of module(s)
9	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
German contents available but not translated yet.		
Das Modul führt in die Grundlagen der Thermodynamik ein. Schwerpunkt des Moduls sind die Hauptsätze der Thermodynamik, chemische Gleichgewichte, ideale und reale Gase/Lösungen/Mischphasen und Elektrochemie. Neben thermodynamischen Prozessen werden elementare Kenntnisse der Kinetik vermittelt.		
Intended learning outcomes		
German intended learning outcomes available but not translated yet.		
Die Studierenden sind in der Lage, die Hauptsätze der Thermodynamik zu erklären. Er/Sie kann thermodynamische Aspekte von Lösungen, Gasen, Mischphasen sowie elektrochemischen Reaktionen darstellen. Die Studierenden können chemische Reaktionen auf kinetischer Ebene interpretieren.		
Courses (type, number of weekly contact hours, language — if other than German)		
V (4) + Ü (2)		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus		
Allocation of places		
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Additional information		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 62 I Nr. 1		
Module appears in		
Bachelor' degree (1 major) Biochemistry (2015) Bachelor' degree (1 major) Chemistry (2015) Bachelor' degree (1 major) Mathematics (2015) Bachelor' degree (1 major) Computational Mathematics (2015) Bachelor' degree (1 major) Functional Materials (2015) First state examination for the teaching degree Gymnasium Chemistry (2015) Bachelor' degree (1 major) Biochemistry (2017) Bachelor' degree (1 major) Chemistry (2017)		