

Module title		Abbreviation
Modern Physics 2		11-L-M2-NV-172-m01
Module coordinator		Module offered by
Managing Director of the Institute of Applied Physics		Faculty of Physics and Astronomy
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
2 semester	undergraduate	--
Contents		
German contents available but not translated yet.		
Mechanische, dielektrische und magnetische Eigenschaften von Molekülen, Rotations-,Schwingungs- und elektronische Anregung von Molekülen, Messmethoden, Struktur von Festkörpern, Streumethoden, Gitterschwingungen, Thermische Eigenschaften von Isolatoren.		
Intended learning outcomes		
German intended learning outcomes available but not translated yet.		
Verständnis des Aufbaus von Molekülen und der chemischen Bindung, Verständnis der experimentellen Methoden zur Untersuchung von Molekülen, Verständnis des Aufbaus kristalliner Festkörper, ihrer Modellierung als translationsinvariantes Gitter und der Konsequenzen.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (4) + Ü (1) Module taught in: Ü: German or English		
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 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English		
Allocation of places		
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Additional information		
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Workload		
150 h		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 53 I Nr. 1 b)		
Module appears in		
First state examination for the teaching degree Grundschule Physics (2018) First state examination for the teaching degree Realschule Physics (2018) First state examination for the teaching degree Mittelschule Physics (2018) First state examination for the teaching degree Grundschule Physics (2020) First state examination for the teaching degree Realschule Physics (2020) First state examination for the teaching degree Mittelschule Physics (2020)		