

Module title		Abbreviation
Ultrafast spectroscopy and quantum-control		o8-PCM4-102-m01
Module coordinator		Module offered by
lecturer of the seminar "Ultrakurzzeitspektroskopie and Quantenkontrolle"		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	graduate	--
Contents		
German contents available but not translated yet.		
Das Modul behandelt spezielle Themen der Ultrakurzzeitspektroskopie und Quantenkontrolle. Schwerpunkte sind ultrakurze Laserimpulse, zeitaufgelöste Laserspektroskopie sowie kohärente Kontrolle.		
Intended learning outcomes		
German intended learning outcomes available but not translated yet.		
Die Studierenden können die Erzeugung ultrakurze Laserimpulse beschreiben sowie diese selbst charakterisieren. Er/Sie kann die zeitaufgelöste Laserspektroskopie theoretisch erklären und experimentelle Methoden anführen. Er/Sie kann Grundlagen und Anwendungen der Quantenkontrolle darstellen.		
Courses (type, number of weekly contact hours, language – if other than German)		
S + 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)		
written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English		
Allocation of places		
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Additional information		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) Chemistry (2010) Master's degree (1 major) Mathematics (2012) Master's degree (1 major) Computational Mathematics (2012)		