

<b>Module title</b>		<b>Abbreviation</b>
Applied Spectroscopy 3		o8-PS3-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
lecturer of lecture "Praktische Spektroskopie 3"		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 gives students the opportunity to apply their theoretical knowledge of spectroscopic methods in practice and to interpret readings or graphs. We will record and analyse UV-VIS, fluorescence and vibration spectra and discuss modern mass spectrometry methods.		
<b>Intended learning outcomes</b>		
Students are able to work with different spectrometers and to interpret the resulting spectra. They are able to conduct error discussions.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (3)		
<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)		
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		
<b>Allocation of places</b>		
--		
<b>Additional information</b>		
--		
<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
--		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
--		
<b>Module appears in</b>		
Bachelor' degree (1 major) Chemistry (2015) Bachelor' degree (1 major) Functional Materials (2015) Master's degree (1 major) Functional Materials (2016) Bachelor' degree (1 major) Chemistry (2017) Bachelor' degree (1 major) Functional Materials (2021)		