3. Topic area Physical and Theoretical Chemistry

Module: Quantum Che	mistrv			
	t/institute: Freie Universit	ät Berlin/Department of Bio	logy, Chemistry and Pharmacy/In	stitute of
Responsible for the m	odule: module lecturers			
Admission requirement	nts: none			
mechanical methods of programs and can apply	theoretical chemistry. They y their knowledge to solve	<pre>v know the physical and ma problem sets, independent</pre>		nt computer
theory; introduction to c		al energy surfaces for chei	e-Fock method; basis sets; densit mical reactions; introduction to the	
Teaching and learning units	Attendance (Semester hours per week = SH)	Forms of active participation	Study time (hours)	
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Lecture	2	-	Attendance L Preparation and follow-up L Attendance T	30 30 30
Lecture Tutorial	2	- Solving problem sets, contributing to discussions	Preparation and follow-up L	30
Tutorial Language of instructi	2 on	contributing to	Preparation and follow-up L Attendance T Preparation and follow-up T Examination preparation,	30 30 30
Tutorial Language of instructi Compulsory regular a	2 on ttendance	contributing to discussions German or English Attendance recommende	Preparation and follow-up L Attendance T Preparation and follow-up T Examination preparation, examination	30 30 30 30
Tutorial Language of instructi Compulsory regular a Study time, total hour	2 on ttendance	contributing to discussions German or English	Preparation and follow-up L Attendance T Preparation and follow-up T Examination preparation, examination	30 30 30
Tutorial Language of instructi Compulsory regular a Study time, total hour Duration of module	2 on ttendance	contributing to discussions German or English Attendance recommende 150 hours One semester	Preparation and follow-up L Attendance T Preparation and follow-up T Examination preparation, examination	30 30 30 30
Tutorial Language of instructi Compulsory regular a Study time, total hour	2 on ttendance	contributing to discussions German or English Attendance recommende 150 hours	Preparation and follow-up L Attendance T Preparation and follow-up T Examination preparation, examination	30 30 30 30