

Institut für Chemie und Biochemie Module descriptions for the bachelor program Chemistry

Biochemistry, Bachelor study program Chemistry for teachers in training, 60-CP-Module offer Chemistry

Madula: Pasias of O	rachie Chemietry			
Module: Basics of O				
University/Department/Ins Chemistry and Biochemistry	stitute: Freie Universi ′	tät Berlin/Department of Biolo	ogy, Chemistry, Pharmacy/In	stitute of
Module supervisors: Lectu	urers of the module			
Entrance Requirements: r	ione			
nomenclature, chemical cla industry, technology and en	asses, functional group wironment. They know e to solve lecture relat	ired the basics of organic cos, natural substances and the the most important reaction typed problems independently, ca	e relevance of organic compo pes and understand the corre	ounds for sponding
characteristics and reaction chemical classes: alkanes compounds, alcohol and e derivatives, hydroxycarbon colorants, heterocyclic cor	s, relevance of organic and cycloalkanes, ther, organic sulphur yl compounds and ca npounds. Discussed lition, oxidation and re	clature of organic compounds compounds in biochemistry, te alkenes and alkynes, organic compounds amines, aldehyde arbohydrates, amino acids, ard reactions: radicalic and nucled duction, condensation reaction	chnology and environment. D halogen-compounds, organ s, ketones, carbon acids an omatic hydrocarbons and ard ophilic substitutions, eliminat	biscussed cometallic d carbon comaticity, ion- and
Teaching methods	Hours of attendance (Hours per week)	Forms of active participation	Workload (hours)	
Lecture	4	-	Presence (L) Pre-, post-preparation (L) Presence (T)	60 60 15
Tutorial	1	Solving assignments, Contributions to topic related discussions	Pre-, post-preparation (T) Exam preparation and examination	15 15 60
Language offer of lecture		German		
Compulsory regular attendance		Attendance is recommended		
Workload (total)		210 hours 7 C		7 CP
Length of module		One semester		
Examination		Exam (180 minutes); The exam can also be conducted electronically		
Lecture is offered		Every semester		
Annlinghilter		Bachelor study program Chemistry, Bachelor study program		

No responsibility is taken for the correctness of this translation of the German document found at

Applicability

http://www.bcp.fu-berlin.de/studium-lehre/studiengaenge/ordnungen/chemie_container/03_bsc_chemie/chemie_bc_sto_2013.pdf The English versions of the module descriptions are found at

http://www.bcp.fu-berlin.de/en/studium-lehre/studiengaenge/chemie/bachelor/modulbeschreibungen/index.html