

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

Module: Professional Scientific Presentations			
University/Department/Institute: Freie Universität Berlin/Department of Biology, Chemistry, Pharmacy/Institute of Chemistry and Biochemistry			
Module supervisors: Lecturers of the module			
Entrance Requirements: none			
Goals of Qualification: Students are able to acquaint themselves with relevant topics in the field of chemistry and extract information, which they can work into a presentation applied to specific recipients (e.g. audience of a certain discipline, professional organization, public) and present arguments effectively. They are able to use digital and conventional sources for literature research, to make a precise selection and to evaluate the results reasonable. They work independently or in a team and are able to plan the process of literature research and presentation cooperatively. They know the key features to a good presentation and are able to incorporate these successfully into their own oral or written presentation. They are able to moderate a purpose-orientated discussion of the topic. They know backgrounds of chemical history and social aspects including aspects of gender and diversity.			
Contents: Introduction to design, structure, extent and work up of information of a specified topic for a scientific oral or written presentation. Introduction to utilization of bibliographies, literature research with data banks and digital media. Students conduct literature research with specialist literature in small groups to a specified topic independently, organize a seminar presentation to their topic and compose a written form of the presentation. Aspects of gender and diversity will be considered appropriately when working with topics of chemistry history and biographies of important female scientists.			
Teaching methods	Hours of attendance (semester periods per week)	Forms of active participation	Work effort (hours)
Seminar	2	Literature research, seminar presentations, team work, Contributions to topic related discussions	Presence 30 Pre- , post-preparation 30 Exam preparation and examination 90
Language offer of lecture		German	
Compulsory regular attendance		Yes	
Work effort (total)		150 hours	5 CP
Length of module		One semester	
Examination		paper (7-10 pages)	
Lecture is offered		Every semester	
Applicability		60-CP-Module offer Chemistry	