

Faculty	Faculty 5: Nature and Engineering
Course Title	Research Project Protein Biochemistry
Number of ECTS credits	12
Hours per week (SWS)	8 weeks full-time research project
Required Semester	Final year Bachelor student or Master student
Time	March – June (Summer semester HS Bremen) each year
Course objective	Goal is an in depth understanding basic methods for the expression and purification of recombinant proteins from microorganisms.
Prerequisites	Courses on molecular biology and protein biochemistry. Intense lab experience required, preferably in molecular biology or biochemistry.
Recommended reading	
Teaching methods	Project work, laboratory experiments
Assessment methods	Project report and oral presentation
Language of instruction	English
Name of lecturer	Prof. Dr. Stefan Veltel
Email	stefan.veltel@hs-bremen.de
Link	http://www.hs-bremen.de/internet/en/studium/stg/istab/gaststudenten/
Course content	Based on our current research projects students will plan and perform individual sets of experiments using methods of protein expression and purification. Subsequent biochemical characterisation or crystallisation of the purified protein might follow depending on the progress of the project.