Course in the 2nd study period (3rd – 5thSemester)

Protein Biochemistry (Lecture)

Description				
Objective	The lecture covers structural, dynamical and physico-chemical as well as functional aspects of proteins. Apart from a theoretical foundation, practical consequences of these protein properties in purification and analytics are conveyed.			
Prerequisites	Biochemistry (Lecture)			
Content	1. Structure and dynamics 2. Biosynthesis and degradation 3. Protein-ligand-binding 4. Enzyme kinetics 5. Protein folding 6. Regulation of protein activity 7. Internet protein databases 8. Development of pharmaceuticals			
Course material	– Lecture presentations – Jeremy M. Berg et al.: Biochemie, 6. Aufl., Spektrum, 2007, ISBN 978-3-8274-1800 – Gregory A Petsko and Dagmar Ringe: Protein Structure and Function, New Science Press, London, 2008			
Language	German	☒	English	☐
Media	Presentation	☒	Blackboard	☒
Time schedule	Weekly	☒	Block schedule	☐
Cycle	Each semester	☒	Annually	☐
Status	Compulsory subject	☒	Compulsory optional subject	☐
Last modified	07.10.2013			