Import module

[E1.21]	Computational Drug	Comp	Compulsory	5 CP (total) = 150 h				4 SWS	
	Design	electiv modul	elective module		ours 0 h	Indepo study	endent 90 h		
Content									
Lecture: The application- approaches, Their applic Furthermor integrated in <u>Practical con</u> topics offer chemistry.	e theory and application of cor- oriented way. For this purpose bioinformatic approaches as w cations in drug design will be e, for each method the widely nto the lectures. <u>urse</u> : During the practical part, a wide variety of computation	nputational n e, different con vell as molecu e discussed w used softward the individua onal methods	nethods use nputational lar dynamie vith numer es will be in al methods spanning t	d in drug de methods, s cs (MD) sim ous exampl ntroduced an are applied heoretical b	esign and uch as do ulation-ba es from p nd exercis to simple iophysics,	discovery cking, mo ased meth oublished es utilisin problems biochem	are preser deling, lig ods, are ir scientific g these sol of drug de istry, and	nted in an and-based ntroduced. literature. ftware are esign. The medicinal	
Learning outco	omes and skills								
The goal of Students un projects. Th	this module is to introduce th iderstand the theory, application rough the focus on sample prog	e students to n, and limitati grams, student	the modern ons of each s learn how	n computati method an to use com	onal tools d would b putational	widely u be able to methods	sed for dru use them f in differen	ug design. or specific t projects.	
Admissions re	quirements/Conditions for p	articipation	in the mo	dule/course	es				
None									
Recommended	l prior knowledge								
Basic knowl knowledge	edge of programming and Linux of protein chemistry and structu	x environmen 1re. Use your	t, bachelor- own laptop	level knowle during the l	edge of org ecture.	ganic chen	nistry as wo	ell as good	
Organizational	details								
Import mod exam requir day before t	ule, the registration and cancel ces online registration , no later he exam date without giving re	lation deadlin than seven c asons.)	es of the Ba lays before	chelor's/Ma the exam da	ster's Biop te. You ca	physics reg n withdra	gulations a w up to on	pply. (The e working	
Module allocation (degree programme/faculty)			Master Biophysics / FB13						
Eligibility of the module for other courses		Ν	Master Biochemistry / FB14						
Module offered		V	winter semester						
Duration]	1 semester						
Module coordinator		I	Prof Hummer						
Course require	ements for credits								
Participat	ion record								
Coursework			Lecture: Written (exam, 90 min.) or expert discussion (30 min.)						
Forms of teaching / learning			Lecture, practical course						
Language teaching and instruction			English						
Module assessment			Form / duration / content, if applicable						
Final module assessment			None						
Cumulative	e module assessment consist	ing of							
Compositio cumulative	n of the module grade for module assessment		_						
			Mode of teaching / study	Semester hours per week	Semeste: CP 1	r 2	3	4	
Computatio	onal drug design		L	2	3				
Computatio	onal drug design		Р	2	2				
TOTAL				4	5				