[C3.1]	Methods for structural biology and biophysics	Elective		3-7 CP (total) = 90 - 210 h			2-4
		module in the core area C3	Contact h		Indepense study 60		sws
Content							
	the function of biological molecu				ential. In th	nis module,	, the mos
_	nods are introduced and the nece	essary physical prin	aples are tauş	ght.			
Lecture:	rinciples of spectroscopy						
	niciples of spectroscopy arce spectroscopy and microscopy	z (single molecule	luorescence	anicotron	TECS ER	ET cuper i	recolutio
microscop		y (single molecule	itaorescence,	umsourop	y, 1 GB, 1 K	Li, super i	resorano
EPR spects	roscopy						
 NMR spec 	troscopy in solution and solids						
X-ray stru	ctural analysis						
*	ron microscopy						
	of data acquisition and data analy						
Seminar (optio	<u>nal)</u> : In the seminar, the subject mples. Presentations to be given	t matter of the lea	ture is deepe	ened throu	igh the dis	scussion of	f concret
current applica	tion examples from the literature	e, play a central role	here.	еереп төр	ics moin u	ie iecture (or preser
	optionally be combined with th						
earning outcome	es and skills						
_	ng the module, students can:						
-	ssess the methods and technical	details taught					
_	e right methods for specific quest	-					
	vith produced data and discuss the						
	rrent topics and application exar						
Admissions requi	rements/Conditions for parti-	_	<u> </u>		ience		
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Methods for determining the structure of biomolecules

Optional: Methods for determining the structure of biomolecules

TOTAL