Import module

[E1.2]		Compulsory	7 - 10 CP = 210 - 300 h			4 - 7			
	Spectroscopy	elective module	Contact l 4-7 SWS			oendent 7 150-195 h	SWS		
content									
feedback technic molecular system polarization, bio	opic spin interactions, magic ques, correlation and separ ms, introduction to the m molecular applications. Eac ich is also available to the stu	ration spectra, charact lost important theoret th lecture is accompan	erization of ical concepts ied by simul	structure a s, quadrup lations on	and dyn oole NM a virtua	amics of ani IR, dynamic Il NMR spect	isotropi nuclea		
polarization, dete the determination	(optional) In the practical co ermination of anisotropic pa on of distance restrictions as techniques. The experiment are.	rameters from rotation re taught. In addition,	sidebands). precise core-	The basics to-core dis	of reson stances a	ance assignm are determine	ient an ed usin		
selection of a suit magnetic resonar	nal) Presentation on a curr table publication, literature r nce, lecture in the seminar, o the other seminar lectures/	research, development discussion of the preser	of the topic ir	interactio	n with o	ne of the lect	urers o		
(CEM) must be a	ture Solid State NMR Spect. attended. art of the modules liquid NA								
only be scored of									
Learning outcomes		a		_					
anisotropic mole possible applicati	idents understand the conc cular systems, they get to kn ions for biomolecular, but als The students understand the	ow the most important so pharmaceutical and	experiments materials scie	and theore ence issues.	tical con	cepts and und	derstan		
experiments, eva	luate data and link hypothe	eses about computer sin	nulations with	h experime			-		
	seminar, the students are far		-						
	ements/Conditions for pa	-							
Practical course 8	& seminar: Expert discussion	for the lecture <i>Introdu</i>	iction to solic	l-state NM.	R spectro	oscopy			
Recommended pri	or knowledge								
-	ans the registration and cancell <i>a</i> e expert discussion must be	1 0		he study co	ourse in	chemistry ap	ply. (A		
	•		,	1					
	Module allocation (degree programme/faculty)		Master Chemistry / FB14 Master Biophysics / FB13, Master Biochemistry / FB14						
would transienat	le to other degree progra	mmer Master Bior	hysics / FR1	3 Master F	Riochemi	istry / EB14			
	ole to other degree progra	Lecture & p	ohysics / FB1 ractical cours very semester	e: summer					
Module offered	ole to other degree progra	Lecture & p	ractical cours	e: summer					
Module offered Duration		Lecture & p Seminar: ev	ractical cours very semester	e: summer					
Module offered Duration Module coordinato	Dr	Lecture & p Seminar: ev 2 semesters	ractical cours very semester	e: summer					
Module offered	or nts for credits	Lecture & p Seminar: ev 2 semesters Prof. Glaub	ractical cours very semester itz	e: summer	semeste		pation		
Module offered Duration Module coordinato Course requiremen	or nts for credits	Lecture & p Seminar: ev 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details	ractical cours very semester itz nd practical c xpert discussi	course: reg ion (30 min sing and p course regu	ular and n.) rotocols ilations)	er active partici of the experin			
Module offered Duration Module coordinato Course requiremen Participation r Coursework	or its for credits record	Lecture & p Seminar: ev 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details - Seminar:	ractical cours very semester itz nd practical o xpert discussi ourse: proces see practical o	course: region (30 min sing and picourse regu course regu	ular and n.) rotocols ilations)	er active partici of the experin			
Module offered Duration Module coordinato Course requiremen Participation r Coursework Forms of teaching / Language teaching	or nts for credits record / learning , and instruction	Lecture & p Seminar: ev 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details - Seminar:	ractical cours ery semester itz nd practical o xpert discussi ourse: proces see practical o paper with pr	course: region (30 min sing and picourse regu course regu	ular and n.) rotocols ilations)	er active partici of the experin			
Module offered Duration Module coordinato Course requiremen Participation r Coursework Forms of teaching Language teaching Module assessment	or hts for credits record / learning and instruction t	Lecture & p Seminar: ex 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details - Seminar: p Lecture, pra English For	ractical cours ery semester itz nd practical o xpert discussi ourse: proces see practical o paper with pr	course: regr ion (30 min sing and p course regu resentation , seminar	ular and n.) rotocols ilations) (handor	er active partici of the experin ut)			
Module offered Duration Module coordinato Course requiremen Participation r Coursework Forms of teaching Language teaching Module assessment Final module as	or nts for credits record / learning and instruction t ssessment	Lecture & p Seminar: ev 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details - Seminar: p Lecture, pra English Forr None	ractical cours very semester itz nd practical c xpert discussi ourse: proces see practical c paper with pr actical course,	course: regr course: regr con (30 min sing and p course regu resentation , seminar	ular and n.) rotocols ilations) (handor	er active partici of the experin ut)			
Module offered Duration Module coordinato Course requiremen Participation r Coursework Forms of teaching Language teaching Module assessment Final module as Cumulative mod	or its for credits record / learning and instruction t ssessment dule assessment consistin	Lecture & p Seminar: ev 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details - Seminar: p Lecture, pra English Forr None	ractical cours very semester itz nd practical c xpert discussi ourse: proces see practical c paper with pr actical course,	course: regr course: regr con (30 min sing and p course regu resentation , seminar	ular and n.) rotocols ilations) (handor	er active partici of the experin ut)			
Module offered Duration Module coordinato Course requiremen Participation r Coursework Forms of teaching Language teaching Module assessment Final module as Cumulative mod	or its for credits record / learning and instruction t issessment dule assessment consistin the module grade for	Lecture & p Seminar: ev 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details - Seminar: p Lecture, pra English Forr None ng of	ractical cours very semester itz nd practical of xpert discussi ourse: proces see practical of paper with pr actical course, n / duration	course: regr ion (30 min sing and pr course regu resentation seminar	ular and n.) rotocols ilations) (handou	er active partici of the experin ut)			
Module offered Duration Module coordinato Course requiremen Participation r Coursework Forms of teaching Language teaching Module assessment Final module as Cumulative mod Composition of	or its for credits record / learning and instruction t issessment dule assessment consistin the module grade for	Lecture & p Seminar: ev 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details - Seminar: p Lecture, pra English Forr None	ractical cours very semester itz nd practical of xpert discussi ourse: proces see practical of paper with pr actical course, n / duration	course: regu ion (30 min sing and p course regu resentation , seminar (/ content	ular and n.) rotocols ilations) (handou	er active partici of the experin ut) licable	ments		
Module offered Duration Module coordinato Course requiremen Participation r Coursework Forms of teaching Module assessment Final module as Cumulative mod Composition of cumulative mod	or its for credits record / learning and instruction t issessment dule assessment consistin the module grade for	Lecture & p Seminar: ev 2 semesters Prof. Glaub - Seminar a - Lecture: e - Practical c (for details - Seminar: j Lecture, pra English Forr None ng of Mode of teaching / study	ractical cours very semester itz nd practical of xpert discussi ourse: proces see practical of paper with pri- totical course, n / duration Semester hours	course: regr ion (30 min sing and pr course regu resentation seminar	ular and n.) rotocols ilations) (handou	er active partici of the experin ut)			

<i>CEM:</i> Modern applications of magnetic resonance spectroscopy	S	2	3	
TOTAL		4-7	7-10	