

Compulsory Subjects and Courses:

Master Biological Chemistry WS2010/11 @ JKU

		course number	ECTS
Compulsory Subject: Fundamentals of Chemistry and Technology for Biological Chemists			17.80
.....	<u>VL Biochemical Technologies</u>	SS	1.30
.....	<u>PR Preparative Chemistry Laboratory for Biological Chemists</u>	SS	6.00
.....	<u>PR Advanced Instrumental Analysis</u>	to be announced	2.40
.....	<u>UE Exercises Spectroscopy and Structure Elucidation II</u>	WS	345.142 1.60
.....	<u>VL Organic Chemistry III (Natural Products)</u>	WS	347.330 2.60
.....	<u>VL Spectroscopy and Structure Elucidation II</u>	WS	345.143 1.30
.....	VL Industrial Biotechnology	WS	318.008 2.60
Compulsory Subject: Support Courses			5.60
.....	<u>KV Gender Studies Managing Equality TN</u>	WS	536.027 3.00
.....	<u>VL Patent Law and Intellectual Property</u>	SS	2.60

Elective Subjects and Courses:

Master Biological Chemistry WS 2010/11 @ JKU

		course number	ECTS
Chemical Elective Subjects (Choose two from three)			26.1
.....	Chemical Elective Subject: Advanced Chemistry	if sel.	>10
.....	<u>VL Biospecific Detection</u>		2.60
.....	<u>VL Current Topics in Biological Chemistry</u> (Biomineralisation Hild)	SS	1.30
.....	<u>VL Photochemistry</u>		2.60
.....	<u>PR Practical Photochemistry</u>		2.40
.....	<u>SE Seminar on Biomimetic Systems</u>		1.60
.....	<u>VL Bionics - biomimetic Materials and Polymers</u>	WS 376.033	1.30
.....	<u>VL Technical Biopolymers</u>	SS	1.30
.....	<u>VL Bioanalysis</u>	WS 345.137	2.60
.....	<u>VL Inorganic Chemistry III</u>		2.60
.....	<u>VL Stereochemistry</u>	WS 347.300	2.60
..... Chemical Elective Subject: Advanced Physical Chemistry and Biophysics			if sel. >10
.....	<u>VL Biophysics III</u>	WS 320.010	3.00
.....	<u>PR Biophysics Laboratory II for Biological Chemistry</u>	SS	2.40
.....	<u>VL Curr Topics in Biophysical Chemistry</u>	SS	3.20
.....	<u>SE Seminar in Biophysical Chemistry</u>	to be announced	1.60
.....	<u>VL Molecularly Imprinted Polymers</u>	WS 376.029	1.30
.....	<u>VL Physical Chemistry II</u>	SS	2.60
.....	<u>VL Physical Chem. of Macromolecules</u>	WS 349.005	3.90
..... Chemical Elective Subject: Structural Biochemistry			if sel. >10
.....	<u>KV Advanced NMR 2</u>	SS	1.60
.....	<u>VL Curr Topics in Structural Biochem.</u>	maybe in WS	1.30
.....	<u>PR Practical Atomic Force Microscopy</u>	SS	2.40
.....	<u>PR Practical NMR</u>	WS+SS 347.354	2.40
.....	<u>VL Protein Science</u>	SS	1.30
.....	<u>SE Seminar in Computational Biology</u>	to be announced	1.60
.....	<u>VL Structure and Properties of Biological Materials</u>	SS	1.30
.....	<u>UE Exercises in Spectroscopy and Structural Elucidation I</u>	WS 347.331	1.60
.....	<u>VL Advanced NMR 1</u>	WS 347.301	1.30
Free electives (Open Coursework)			16.5