

Study plan ACH-MgD15 – Applied Chemistry - master programme					
Guarantee of study programme: prof. Ing. Roman Boča, DrSc.					
Compulsory subjects					
Abbr.	Name	Credit	Scope	Year	Sem.
KCH/md200/15	Atomic and Molecular Spectroscopy	4	2/1	1	Z
KCH/md201/15	Methods for Separating Substances	4	2/1	1	Z
KCH/md202/15	Catalysis and Biocatalysis	4	2/1	1	Z
KCH/md203/15	Laboratory Practice for Term Paper I	4	0/3	1	Z
KER/md100/15	Laboratory Practice in Applied Chemistry and Ecochemistry	4	0/5	1	Z
KCH/md205/15	Bioorganic Chemistry	4	2/1	1	L
KCH/md206/15	Chemometrics	3	2/1	1	L
KCH/md207/15	Physical Organic Chemistry	4	2/2	1	L
KCH/md208/15	Laboratory Practice for Term Paper II	4	0/3	1	L
KCH/md217/15	Bioanalytical Chemistry	4	2/1	2	Z
KCH/md218/15	Electrochemistry	4	2/1	2	Z
KER/md103/15	Nuclear Analytical Chemistry	4	2/1	2	Z
KCH/md219/15	Computer-Aided Molecular Design (CAMD	4	2/1	2	Z
KCH/md220/15	Laboratory Practice for Term Paper III	2	0/3	2	Z
KCH/md229/15	Laboratory Practice in Applied Chemistry III	2	0/5	2	Z
KCH/md221/15	Master Thesis Seminar	4	0/2	2	L
KCH/md222/15	Laboratory Practice for Master Thesis	10	0/23	2	L
KCH/md230/15	Master Thesis Defence	16		2	L
Compulsory Elective subjects					
Abbr.	Name	Credit	Scope	Year	Sem.
KCH/md209/15	Chemical Bond and Chemical Structure	4	2/1	1	Z
KCH/md210/15	Modern Methods of Synthesis	4	2/0	1	Z
KER/md101/15	Nuclear Safety and Radioactive Wastes	4	2/2	1	Z
KBIO/md500/15	Microbiology of Water and Soil	4	2/1	1	Z
KCH/md211/15	Laboratory Practice in Applied Chemistry II	4	0/5	1	L
KER/md109/15	Laboratory Practice in Microbiology of Water and Soil	4	0/5	1	L
KBT/md300/15	Biofuels and Products from Renewable Resources	4	2/0	1	L
KCH/md212/15	Chemistry of Coordination Compounds	4	2/1	1	L
KER/md201/15	Environmental Biotechnologies	4	2/2	1	L
KER/md102/15	Environmental Chemistry	4	2/1	1	L
KCH/md223/15	Stereochemistry	4	2/1	2	Z
KCH/md224/15	Magnetochemistry	4	2/1	2	Z
KCH/md225/15	Trace Analysis	4	2/0	2	Z
KER/md104/15	Atmospheric Chemistry	4	2/1	2	Z
KER/md110/15	Experimental Phytochemistry	4	2/0	2	Z
Selective subjects					
Abbr.	Name	Credit	Scope	Year	Sem.
KCH/md213/15	X-Ray Structural Analysis	2	0/2	1	Z
KCH/md214/15	Forensic Chemistry	2	0/2	1	Z
KER/md112/15	Environmental Risk Assessment	2	0/2	1	Z
KER/md105/15	Environmental Law	2	0/2	1	Z
KOJP/md200/15	Professional Communication in English Language I	2	0/2	1	Z
KAI/md200/15	Fundamentals of Management	2	0/2	1	Z
KAI/md201/15	Fundamentals of Marketing	2	2/1	1	Z
KCH/md215/15	Chemistry of Heterocyclic Compounds	2	2/0	1	L

KCH/md216/15	Natural Substances and Synthesis of Pharmaceuticals	2	2/0	1	L
KER/md106/15	Radioecology	2	2/0	1	L
KER/md113/15	Corrosion of Materials	2	2/0	1	L
KOJP/md201/15	Professional Communication in English Language II	2	0/2	1	L
KAI/md203/15	Project Management	2	2/1	1	L
KCH/md226/15	Bioinorganic Chemistry	2	2/0	2	Z
KCH/md227/15	Biophysical Chemistry	2	2/0	2	Z
KCH/md228/15	Methods of Clinical and Biochemical Analysis	2	2/0	2	Z
KER/md107/15	Design and Evaluation of Experiments	2	2/0	2	Z
KER/md108/15	Environmental Engineering	2	2/0	2	Z
KER/md111/15	Ecology of Microorganisms	2	2/0	2	Z
KAI/md202/15	Applied Economics	2	2/2	2	Z
KAI/md204/15	Fundamentals of Accounting	2	0/2	2	Z