

Course offer for the winter semester 2018/19 *)

M.Sc. Structural Chemistry and Spectroscopy

1st/3rd semester

Induction

Tue, 9th October 2018 11-12 a.m. Introductory meeting for new international students

Obligatory modules

Schedule	Location
<u>Monday</u>	
11.15 am-12.45 pm L	Medicinal Chemistry / <i>13-122-0311</i> KI.HS
1.15-2 pm S	NMR on Biosystems / <i>13-122-0121</i> Starts 22/10/2018 R 102
<u>Tuesday</u>	
11 am-12.30 pm L	Medicinal Chemistry / <i>13-122-0311</i> KI.HS
<u>Thursday</u>	
10.15-11.45 am L	NMR on Biosystems / <i>13-122-0121</i> R 115
<u>Friday</u>	
1.15-2 pm E	NMR on Biosystems / <i>13-122-0121</i> R 115

Physical Chem. (1 module min.)

In the course of your studies, you will need to take at least one of the modules listed below. This rule applies to new students (winter semester 2018/19 and beyond) and to current students who have not signed up for module "Time resolved and Surface Spectroscopy" (13-122-0411)

- Physical Chemistry of Clusters / 13-121-0420 (Wintersemester, siehe Wahlpflichtmodule)
- Surface Spectroscopy - Methods and Applications / 13-121-0423 (Sommersemester)
- Modern Methods in Theoretical Chemistry / 13-121-0621 (Sommersemester)

Professors:

Medicinal Chemistry
NMR on Biosystems

Herr Prof. Dr. Giannis
Herr Prof. Dr. Matysik

Choice Obligatory Modules

	Schedule	Location
	Bioorganic chemistry / 11-121-1112 / Prof. Dr. Beck-Sickinger	
L	Monday, 15 th Oct., 8.15-9.45 am	Kl. HS/ Brüderstr. 34
L	Monday, 8.30-10 am	Kl. HS/ Brüderstr. 34
S	Monday, 5-6.30 pm	SR 324, Brüderstr. 34
S	Wednesday, 8.30-10.00 (tbc)	SR 324, Brüderstr. 34
S	Wednesday, 5-6.30 pm	SR 324, Brüderstr. 34
	Please note: you will be assigned one of the seminar dates (S).	
	Methods and Procedures for Trace Analysis / 13-121-0125 / Prof. Dr. Reemtsma	
L	Thursday, 8.15-9.45 am	R 014
S/E	+ 2 SWS, on appointment	
	Physical Chemistry of Cluster / 13-121-0420 / Prof. Dr. Asmis	
L	Wednesday, 1.10-2.30 pm	R 014
L	Friday, 2.50-3.45 pm	R 014
	Computational Chemistry or Solids / 13-121-0642 / Dr. Kuc	
L	Friday, 11.15 am - 12.45 pm	R 204 (TA)
E	+ 3 SWS Computer Exercise	
	Protein Crystallography / 13-121-1120 / Prof. Dr. Sträter	
L/S	Tuesday or Thursday, 5.15 - 6.45 pm	Seminarraum, BBZ
	<u>Please note:</u> The first session is on 23 Oct. at 5.15 pm in lecture hall 1.3 at the BBZ	
	Recent Trends in Chemistry / 13-121-1416 / international guest scholars	
L	Specific dates to be published on the black board and on the Faculty's website	
	Mass Spectrometry / 13-122-0111 / Prof. Dr. Hoffmann, Dr. Fedorova	
L	Tuesday, 8-9.30 am	SR 1.3, BBZ
	Start: 23 rd October	
S/E	Wednesday, 8-9.30 am	SR 1.1/1.2, BBZ
	Start: 17 th October	
	Surface Analysis of Solid State Surfaces / 13-122-0413 / Prof. Dr. Denecke	
L	Wednesday, 10.15-11.45 am	R 014
	+ 1 SWS, on appointment	
	Nanostructured Catalytic Systems / 13-122-0511 / Prof. Gläser/ Dr. Dvoyashkin	
S	Tuesday, 2.45-4.15 pm	Kl. HS
L	Thursday, 1.15-2.45 pm	R 102
	Protein Crystallography / 13-122-1111 / Prof. Dr. Sträter	
L/S	Tuesday or Thursday, 5.15-6.45 pm	Seminarraum, BBZ
	<u>Please note:</u> The first session is on 23 Oct. at 5.15 pm in lecture hall 1.3 at the BBZ	

Research Practical Courses

- P Bioorganic chemistry / 11-121-1116 / Prof. Dr. Beck-Sickinger
 Group A: 04.12.-21.12.2018 Saal 6, Brüderstr. 34 & Laboratories
 Group B: 07.01.-25.01.2019 Saal 6, Brüderstr. 34 & Laboratories
 Group A & B: 11.02.-08.03.2019 Saal 3, Brüderstr. 34 & Laboratories
 If you wish to do this research laboratory course, please contact Prof. Beck-Sickinger by the beginning of November 2018.
- P Advanced Practical Course in Structural Analysis / 13-121-0122 / Prof. Dr. Matysik
 on appointment
- P Advanced Practical Course in Concentration Analysis / 13-121-0123 / Prof. Dr. Belder
 on appointment
- P Advanced Practical Course in Trace Analysis / 13-121-0126 / Prof. Dr. Reemtsma
 on appointment
- P/S Research Practical Course in Inorganic Chemistry / 13-121-0215 / Prof. Dr. Krautscheid
 on appointment
- P/S Research Practical Course in Organometallic Chemistry / 13-121-0216 /
 Prof. Dr. Hey-Hawkins
 on appointment
- P Research Practical Course in Inorganic Chemistry - Functional Materials/ 13-121-0217 /
 Prof. Dr. Kohlmann
 on appointment
- P Research Practical Course in Supramolecular Coordination Chemistry / 13-121-0218 /
 Prof. Dr. Kersting
 on appointment
- P Laboratory Course in Advanced Synthetic Organic Chemistry / 13-121-0313 /
 Prof. Dr. Schneider
 on appointment
- P Laboratory Course in Chemistry of Natural Products / 13-121-0314 / Prof. Dr. Giannis
 on appointment
- P Laboratory Course Catalytic Methods in Organic Chemistry / 13-121-0315 / Prof. Dr. Zeitler
 on appointment
- P Laboratory Course Organic Chemistry/Chemical Biology / 13-121-0316 / Prof. Dr. Berg
 on appointment
- P Research Practical Course in Reaction Kinetics and Structure Elucidation / 13-121-0417 /
 Prof. Dr. Abel
 on appointment

- P Research Practical Course in Thin Film Growth, Phenomena and Analysis of Solid Interfaces / 13-121-0418 / Prof. Dr. Denecke
on appointment
- P Research Practical Course on the Characterization of Gas Phase Clusters and Liquid Interfaces / 13-121-0419 / Prof. Asmis/ Fr. Dr. Reichelt
on appointment
- P Research Practical Course in Heterogeneous Catalysis / 13-121-0514 / Prof. Dr. Gläser
on appointment
- P Research Practical Course in Chemical Reaction Engineering / 13-121-0515 / Prof. Dr. Enke
on appointment
- P Research Practical Course Theoretical Chemistry / 13-121-0631 / Dr. Baldauf PD
on appointment
- P Practical Course in Bioanalytics / 13-121-1114 / Prof. Dr. Hoffmann
on appointment
- P Practical Course in Recombinant Protein Expression / 13-121-1115 / Prof. Dr. Sträter
on appointment
- P Advanced Practical Course in Crystallography in Materials Science / 13-121-1311 / Prof. Dr. Oeckler
on appointment
- P Advanced Practical Course in Materials Science / 13-121-1327 / Prof. Dr. Klöß
on appointment
- P Environmental Chemical Practical Course / 13-121-1415 / Prof. Dr. Schüürmann
on appointment
- P Advanced Practical Course in Atmospheric Chemistry / 13-121-1422 / Prof. Dr. Herrmann
on appointment

Key:

E = Exercise / L = Lecture / P = Lab Course / S = Seminar / T = Tutorial

13-231-___ = module number

BBZ = Centre for Biotechnology and Biomedicine (BBZ), Deutscher Platz 5

Exp. HS = "Arthur-Hantzsch" Lecture Hall (Room 027), Johannisallee 29

GHS = "Großer Hörsaal", Fakultät für Physik & Geowissenschaften, Linnéstraße 5

HS = Lecture Hall

HS 4 = Lecture Hall 4, Linnéstraße 2, Wilhelm-Ostwald-Institut

IMKM = Institut of Mineralogy, Cristalography and Material Science, Scharnhorststr. 20

Kl. HS = "Johannes-Wislicenus" Lecture Hall (Room 015), Johannisallee 29; if no differing address is given

R___ = class rooms at the Faculty's main building, Johannisallee 29; if no differing address is given

PC Pool = Linnéstraße 3, Technikum Analytikum

TA = Technikum Analytikum, Linnéstraße 3