

Lecture Schedule for Master's Program in Chemistry and Molecular Sciences

Fall semester 2023

Weeks 1-14, beginning September 18th, 2023

Specializations

a Chemical Biology	g General Chemistry
b Sustainable Chemistry	pure Electives (gray)
c Advanced Synthesis	
d Nuclear and Radiochemistry	
e Spectroscopy of Materials	

	Monday	Tuesday	Wednesday	Thursday	Friday		
08:15 - 09:00	Weeks 8-14 e+g Molecular Electronics PD Dr. Shi-Xia Liu N213 1.5 ECTS			Weeks 1-14 d+g Nuclear / Radiochemistry Prof. A. Türler Prof. R. Eichler N213 3 ECTS	Weeks 8-14 d+g Environmental Radionuclides and Nuclear Dating Prof. S. Szidat S481 1.5 ECTS		
09:15 - 10:00							
10:15 - 11:00	Weeks 1 + 3-7 (10-12 am) c,e +g Advanced NMR Prof. J. Furrer N213 3 ECTS	Weeks 1 + 3-7 (plus Wed 8.11. 8:15-10:00) c,e +g Advanced NMR Prof. J. Furrer N213	Weeks 1-14 b Specialist Course: Carbon Cycle Prof. F. Joos, Prof. T. Frölicher, Dr. Ch. Laufkötter A097 ExWi 4 ECTS	Weeks 1-14 e+g Chemical Crystallography PD Dr. S. Grabowsky S481 3 ECTS	Weeks 2-14 c+g Radicals in Organic Synthesis Dr. F. Dénès S379 3 ECTS (starting in the 2nd week of semester)	Weeks 4-14 b,e+g Atomistic Simulations of Fluids and Solids Prof. S. Churakov Room see KSL/CTS 2.5 ECTS	Weeks 1-7 a+g Principles of Nucleic Acids Prof. R. Häner, Dr. S. Langenegger EG16 1.5 ECTS Weeks 8-14 a Supramolecular Chemistry and Applications of Lipids Prof. P.-A. Monnard N213
11:15 - 12:00	Weeks 8-14 (10-12 am) Clinical Chemistry and Laboratory Medicine – An Introduction Dr. C. Führer N213 1.5 ECTS						
12:15 - 13:00			Weeks 1-14 a+g Chemical Biology I Prof. J.-L. Reymond, Dr. S. Javor S379 3 ECTS		Weeks 1-14 d Specialist Course - Introduction to Medical Radiation Physics Prof. P. Scampoli Prof. S. Braccini B001 ExWi		
13:15 - 14:00	Weeks 1-7 g Applied Mass Spectrometry Prof. S. Schürch S379 1.5 ECTS	Weeks 1-14 e+g Advanced Spectroscopy - non-linear properties, lasers, time-resolved spectroscopy Prof. N. Banerji N213 3 ECTS		Weeks 1-14 d Specialist Course - Introduction to Medical Radiation Physics Prof. P. Scampoli Prof. S. Braccini B001 ExWi 4 ECTS			
14:15 - 15:00			Weeks 1-7 Scientific Writing Dr. O. Serkédi S379 2 ECTS				
15:15 - 16:00	Weeks 2-14 (plus Wed, 20.9. all day) b,e+g Operando Methods in Sustainable Chemistry and Catalysis Dr. O. Safonova 3 ECTS N213	Weeks 1-14 b+g Heterogeneous Catalysis and Sustainable Chemistry Prof. M. Arenz, Dr. G. Wiberg N213 3 ECTS	Weeks 1-14 b Atmospheric and Aerosol Chemistry Prof. M. Schwikowski S481 3 ECTS	Weeks 1-14 b,e+g Introduction to the Physics and Chemistry of Surfaces Prof. R. Fasel N213 3 ECTS			
16:15 - 17:00							

Under each lecture it is mentioned in which specialization (a, b, c, d, e, g) the course can be accredited as core subject course. The gray marked lectures are not assigned to any specialization and always count as electives.

You will find the **exam dates** on the exam schedules on this website .

https://www.philnat.unibe.ch/studium/studienprogramme/master_chemie_und_molekulare_wissenschaften/index_ger.html#pane35277

Please register for the exams through KSL (as of the beginning of the semester).

The **digital lecture plan** provides you with all the details regarding the various lectures. It can be found here:

http://www.philnat.unibe.ch/studies/study_programs/master_s_in_chemistry_and_molecular_sciences/index_eng.html#pane35265

Electives: Besides the electives from the chemistry program of the DCBP, you can also choose courses from the Molecular Life Science master's program or the Physics master's program at the University of Berne or from the Chemistry master's program of the University of Fribourg.

[Molecular Life Science master's program](#)

[Physics master's program](#)

In accordance with the director of studies it is even possible to visit master courses from other Universities and to have them accredited. In this case please contact the student administration office in room S358.