

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

Fall semester 2019

Weeks 1-14, beginning September 16th, 2019

## 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 1-14 d+g <b>Nuclear / Radiochemistry</b> Prof. A. Türler Dr. R. Eichler N213 3 ECTS		
09:15 - 10:00						
10:15 - 11:00	Weeks 4-10 c,e +g <b>Advanced NMR I</b> PD Dr. J. Furrer N213 1.5 ECTS		Weeks 1-14 e+g <b>Chemical Crystallography</b> PD Dr. S. Grabowsky S481 3 ECTS	Weeks 1-14 c+g <b>Radicals in Organic Synthesis</b> Prof. P. Renaud S379 3 ECTS	Weeks 1-14 b,e+g <b>Introduction to the Physics and Chemistry of Surfaces</b> Prof. R. Fasel N213 3 ECTS	Weeks 1-7 a+g <b>Principles of Nucleic Acids</b> Prof. R. Häner S481 1.5 ECTS  Weeks 8-14 a+g <b>Basic Medicinal Chemistry</b> Prof. R. Häner S481 1.5 ECTS
11:15 - 12:00						
12:15 - 13:00					Weeks 1-14 d+g <b>Specialist Course - Introduction to Medical Radiation Physics</b> Prof. P. Scampoli Prof. S. Braccini B001 ExWi	
13:15 - 14:00	Weeks 8-14 <b>Clinical Chemistry and Laboratory Medicine – An Introduction</b> Dr. C. Fuhrer S379 1.5 ECTS	Weeks 1-14 e+g <b>Advanced Spectroscopy - non-linear properties, lasers, time-resolved spectroscopy</b> Prof. N. Banerji N213 3 ECTS	Weeks 1-14 <b>Atmospheric and Aerosol Chemistry</b> Prof. M. Schwikowski S481 (N213 on 4.12.19) 3 ECTS	Weeks 8-14 <b>Scientific Writing</b> Dr. O. Serkédi S379 2 ECTS	Weeks 1-14 a+g <b>Chemical Biology I</b> Prof. J.-L. Reymond S481 3 ECTS	
14:15 - 15:00						
15:15 - 16:00	Weeks 1-14 b,e+g <b>Computational Chemistry</b> Prof. U. Aschauer N213	Weeks 1-14 b+g <b>Heterogeneous Catalysis and Sustainable Chemistry</b> Prof. M. Arenz N213 3 ECTS		Weeks 1-14 b+g <b>Applied Electrochemistry I</b> Prof. P. Broekmann S379 3 ECTS	Weeks 1-14 d+g <b>Specialist Course - Introduction to Medical Radiation Physics</b> Prof. P. Scampoli Prof. S. Braccini B001 ExWi 4 ECTS	Weeks 8-14 d+g <b>Environmental Radionuclides and Nuclear Dating</b> Prof. S. Szidat S481 1.5 ECTS
16:15 - 17:00						
17:15 - 18:00						
18:15 - 19:00						

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](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](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 DCB, 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.