**Specializations**

- a Medicinal Chemistry and Chemical Biology
- b Advanced Synthesis and Sustainability
- c Spectroscopy and Materials

**Lecture Schedule for Master’s Program in Chemistry and Molecular Sciences**

**Fall semester 2024**

**Weeks 1-14, beginning September 16th, 2024**

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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</table>
| 08:15 - 09:00 | Weeks 8-14  
 c Molecular Electronics  
 PD Dr. Shi-Xia Liu  
 N213  
 1.5 ECTS | Weeks 1-14  
 b + c Sustainable Electrochemistry  
 Prof. P. Broekmann  
 Dr. D. Reber  
 S481  
 3 ECTS | Weeks 1-14  
 c Nuclear / Radiochemistry  
 Prof. A. Türler  
 Prof. R. Eichler  
 N213  
 3 ECTS |  |
| 09:15 - 10:00 |  |  |  |  |
| 10:15 - 11:00 | Weeks 1 + 3-7  
 a, b + c Advanced NMR  
 Prof. J. Furrer  
 N213  
 3 ECTS | Weeks 1 + 3-7 (plus Wed  
 6,11, 13:15-15:00, S379)  
 a, b + c Advanced NMR  
 Prof. J. Furrer  
 N213  
 3 ECTS | Weeks 1-14  
 c Chemical Crystallography  
 PD Dr. S. Grabowsky  
 S481  
 3 ECTS | Weeks 1-7  
 a Principles of Nucleic Acids  
 Prof. R. Häner, Dr. S. Langenegger  
 EG16  
 1.5 ECTS |  |
| 11:15 - 12:00 |  |  |  |  |
| 12:15 - 13:00 |  |  |  |  |
| 13:15 - 14:00 | Weeks 1-7  
 b Applied Mass Spectrometry  
 Prof. S. Schürch  
 1.5 ECTS  
 S379 | Weeks 1-14  
 c Advanced Spectroscopy - nonlinear properties, lasers, time-resolved spectroscopy  
 Prof. N. Banerji, Dr. D. Tsokkou  
 N213 | Weeks 1-14  
 c Specialist Course - Introduction to Medical Radiation Physics  
 Prof. P. Scampoli  
 Prof. S. Braccini  
 B001 ExWi | Weeks 1-14  
 c Specialist Course - Introduction to Medical Radiation Physics  
 Prof. P. Scampoli  
 Prof. S. Braccini  
 B001 ExWi  
 4 ECTS |  |
| 14:15 - 15:00 | Weeks 1-7  
 c Scientific Writing  
 Dr. O. Serkédi  
 S379  
 2 ECTS |  |  |  |
| 15:15 - 16:00 | Weeks 1-3 and 5-14 (plus Fri, 20.9. all day)  
 b + c Operando Methods in Sustainable Chemistry and Catalysis  
 Dr. O. Safonova  
 3 ECTS  
 N213 | Weeks 1-14  
 a Chemical Biology I  
 Dr. S. Javor  
 S465 (on 3.12. in N213)  
 3 ECTS | Weeks 1-14  
 b + c 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) 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.