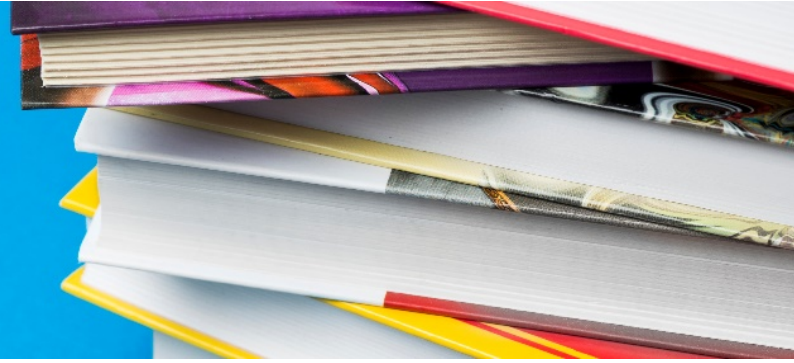




Full Syllabus



Course Title

Proteomics and its applications in biological research

Lecturer

Prof. Tami Geiger

Semester

A

Course requirements

The course will include asynchronous lessons, synchronous interactive lessons and student seminars

Final grade components

70% exam + 30% seminar

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
19.10.20	Introduction to the course
26.10.20 Asynch.	Topics: Mass spectra, peptide fragmentation, chromatography, peptide ionization
2.11.20	Q&A analysis of mass spectra
9.11.20 Asynch.	Topics: Proteomic quantification methods, proteomic sample preparation
16.11.20	Q&A analysis of mass spectra quantitative MS
23.11.20 Asynch.	Topics: Mass spectrometers, computational proteomics, advanced MS techniques
7.12.20	Q&A introduction to seminars
21.12.20	Seminars
28.12.20	Seminars
4.1.21	Seminars

Required course reading

Manuscripts for seminars

Optional course reading

Comments

The course will be given in English