

MSc Artificial Intelligence in Medicine, University of Bern - Timetable Fall Semester 2024 - First Semester Courses

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8.00 h					
8.15 h					
8.30 h					
8.45 h			08.15-10.00 Introduction to Digital Signal Processing A. Ridolfi		
9.00 h					
9.15 h					
9.30 h			TBD		
9.45 h			Module Applications (mandatory)		
10.00 h					
10.15 h		10.15-12.00 Artificial Intelligence in Medicine R. Sznitman	10.15-12.00 Basics in Physiology for BME J. P. Pfister et al.		
10.30 h					
10.45 h					
11.00 h					
11.15 h					
11.30 h		Room 215, main building H4	Auditorium A224, Institute of Anatomy		
11.45 h		Module AI (mandatory)	Module Medicine (mandatory)		
12.00 h					
12.15 h					
12.30 h					
12.45 h					
13.00 h					
13.15 h			13.15-16.00 Machine Learning P. Favaro		
13.30 h					
13.45 h					
14.00 h					
14.15 h	14.15-17.00				
14.30 h	Computer Vision				
14.45 h	P. Favaro				
15.00 h					
15.15 h					
15.30 h					
15.45 h			Auditorium B006, Exact Sciences, ExWi		
16.00 h			Module AI (mandatory)		
16.15 h					
16.30 h	Auditorium 2 002, Engehalde, E8		16.15-18.00 Introduction to Clinics		
16.45 h	Module Applications (mandatory)		R. Wiest		
17.00 h					
17.15 h					
17.30 h					
17.45 h			F502, ARTORG Center, Mu50		
18.00 h			Module Medicine (mandatory)		

Module Foundation

The selection of courses in the module *Foundation* depends on the students' individual scientific background. The following list is a pool of suggested courses. Students may consider courses not found on the list. However, it is important that students satisfy all criteria. Please contact your mentor Professor Mougiakakou (stavroula.mougiakakou@unibe.ch) for an individual appointment.

Applied Biostatistics (2 or 4 ECTS)	Numerical Methods (5 ECTS)
Applied Optimization (5 ECTS)	Linear Models and Regression I (9 ECTS)
HPC and Cloud Computing (1 ECTS)	Statistical Forecast Evaluation (3 ECTS) (on hold)
Introduction to Programming (2 ECTS)	