

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8.00 h					
8.15 h					
8.30 h					
8.45 h					
9.00 h					
9.15 h					
9.30 h					
9.45 h					
10.00 h					
10.15 h			10.15-12.00		
10.30 h			Medical Image Analysis		
10.45 h			M. Reyes		
11.00 h					
11.15 h					
11.30 h					
11.45 h			TBD		
12.00 h			Module Applica		
12.15 h		12.15-14.00		12.15-14.00	
12.30 h		Natural Language Processing		Reinforcement Learning	
12.45 h		and Digital Mining		S. Mougiakakou	
13.00 h		M. Sanyar; J. Vogel			
13.15 h					
13.30 h					
13.45 h		Room 206, main building, H4		Room 206, main building, H4	
14.00 h		Module Applications (mandatory)		Module AI (mandatory)	
14.15 h					
14.30 h				14.15-16.00	
14.45 h				Omics for Non-biologists	
15.00 h				A. Hashemi Gheini	
15.15 h					
15.30 h					
15.45 h					
16.00 h				Room 206, main building, H4	
16.15 h				Module Medicine (mandatory)	
16.30 h					
16.45 h					
17.00 h					
17.15 h					
17.30 h					
17.45 h					
18.00 h					

Module Module Medicine

Clinical Implementations of AI (4 ECTS), mandatory, 3 individual hospital visits September - December 2024 (will take place Monday / Friday weeks 40, 43, 46, 49)
 Feedback on second semester work: TBD

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 arrange for an individual appointment with your mentor Professor Mougiakakou.

Seminar Machine Learning and Artificial Intelligence (5 ECTS)	HPC and Cloud Computing (1 ECTS)
Medical Informatics (3 ECTS)	Advanced Networking and Future Internet (5 ECTS) (every other year)
Selected Chapters in Mathematics (2 ECTS)	Seminar Cryptography and Data Security (5 ECTS) (every other year)
Seminar Logic and Theoretical Computer Science (5 ECTS)	Statistical Forecast Evaluation (3 ECTS) (every other year)
Computergrafik (5 ECTS)	Linear Models and Regression I (9 ECTS) (every other year)
C++ Programming II (3 ECTS)	

Module Electives

The selection of courses from the module *Electives* depends on the students' interests. 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 arrange for an individual appointment with your mentor Professor Mougiakakou.

Innovation Management (2 ECTS)	Neurotechnology (3 ECTS)
The Genetic Code (1.5. ECTS)	Technology and Diabetes Management (3 ECTS)
Medical Image Analysis Lab (4 ECTS)	Computer Graphics & Geometry Processing (5 ECTS)
Cardiovascular Technology (3 ECTS)	Neurogenetics (3 ECTS)
Intelligent Implants and Surgical Instruments (3 ECTS)	Molecular Biology and Genetics for Non-Biologists (Lecture) (3.5 ECTS)
Ophthalmic Technologies (3 ECTS)	Digital Sustainability (1 ECTS)
Programming of Microcontrollers (5 ECTS)	