

Core Course

Recommended Elective Course

Biology Course

Time	Monday				
08:00					
09:00	Elements of Microscopy			Physiology and Anatomy for Biomedical Engineers II	
10:00					
11:00					
12:00					
13:00	Biological Methods for Engineers				
14:00		Model- and Learning-Based Inverse Problems in Imaging			
15:00					
16:00					Nanoscale Molecular Imaging
17:00					
18:00					

Time	Tuesday				
08:00					
09:00	Optics and Photonics				
10:00				Translational Neuromodeling	Biomedical Photonics
11:00					
12:00					
13:00					
14:00	Medical Image Analysis		Model- and Learning-Based Inverse Problems in Imaging		
15:00					
16:00					
17:00					
18:00					

Time	Wednesday				
08:00					
09:00				Cell and Molecular Biology for Engineers	
10:00	Molecular Imaging - Basic Principles and Biomedical Applications				
11:00			Computational Neuroimaging Clinic		
12:00					
13:00	Magnetic Resonance Imaging in Medicine				
14:00					
15:00					
16:00					
17:00				Orthopaedic Biomechanics	
18:00					

Time	Thursday				
08:00					
09:00					
10:00			Quantitative Big Imaging: From Images to Statistics		
11:00					
12:00					
13:00					
14:00				Cell and Molecular Biology for Engineers	
15:00					
16:00					
17:00					
18:00		Computational Vision			

Time	Friday				
08:00					
09:00					
10:00					
11:00					
12:00					
13:00					
14:00	Translational Neuromodeling				
15:00		Physics in Medical Research: From Humans to Cells			
16:00					
17:00					
18:00					

EXCITE Interdisciplinary Summer School on Bio-Medical Imaging *

Terahertz: Technology and Applications *

Computational Psychiatry & Computational Psychosomatics *

June 2025: Microscopy Training Cryogenic Electron Microscopy

*: not offered in FS25

Note: This is informal help for students. The official courses can be seen on the Course Catalogue of ETH (www.vvz.ethz.ch)