

Master Health Science and Technology - Major Human Movement Science and Sport Electives

(Autumn Semester 2023 – tentative)

Hour	Mo				Tu				We				Thu				Fr				Hour					
	Elect. I	Elect. II	Elect. II	Elect. II	Elect. I	Elect. II	Elect. II	Elect. II	Elect. II	Elect. I	Elect. II	Elect. II	Elect. II	Elect. II	Elect. I	Elect. II	Elect. II	Elect. II	Elect. II	Elect. II	Mand.	Elect. I	Elect. II	Elect. II		
08-09	Advanced Topics in Exercise Physiology (Z)					Rehabilitation Engineering II (Z)					Biomedical Engineering (Z)			Colloquium in Biomechanics (Z)	Dietary Etiologies of Chronic Diseases (Z)			Sportsoziologie (Z)		Applied Human Research Project Management (online)					08-09	
09-10																Praktikum Sportphysiologie (Z)									09-10	
10-11	Methods and Concepts in Human Systems Neuroscience and Motor Control (H)	Systems Biology of Metabolism (H)				Work Design and Organizational Change (Z)		Application of MATLAB in the Human Movement Sciences (Z)			Wearable and Mobile Technologies of the Future - Focus on Sports and Health (Z)							Sportpädagogik (Z)	Trauma Biomechanics (Z)	Physiology Guided Food Structure and Process Design (Z)	Translational Science for Health and Medicine (Z)				10-11	
11-12	FINDET N. STATT!																								11-12	
12-13										Epidemiology and Prevention (Z)																12-13
13-14																										13-14
14-15	Ethics of Life Sciences and Biotechnology (Z)	Public Health Concepts (Z)	Biomedical Imaging (Z)		Human Factors I (Z)	Paraplegie und Sport (Z)	Biomedical Imaging (Z)	Sportpsychologie (Z)	Clinical and Movement Biomechanics (Z)		Molecular and Cellular Biology of Exercise and Muscle Regeneration - Practical Aspects (Sw)	Biocompatible Materials (H)	Applications of Cybernetics in Ergonomics (Z / 2 w)			Exercise Physiology (Z)	Image Analysis and Computer Vision (Z)	Nutrition and Performance (Z)	Trauma Biomechanics (Z / 2w)	Physiology Guided Food Structure and Process Design (Z)	Developing Digital Biomarkers (Z)	Physical Activities and Health (H)	Multiscale Bone Biomechanics (Z)	Nanostructured Materials Safety (Z)		14-15
15-16																										15-16
16-17			Biomechanik von Sportverletzungen und Rehabilitation (Z)																							16-17
17-18																										17-18
18-19																										18-19
19-20						Technology Entrepreneurship (Z)																				19-20

Z= ETH Center, H= ETH Hönggerberg, Y= UZH Irchel, Sw=Schwerzenbach

Remarks:

Mand. GCP Basic Course (Modul 1 and 2) / Course selection <https://www.usz.ch/fachbereich/clinical-trials-center/angebote/fort-und-weiterbildung/gcp-kurse/gcp-basiskurs-modul-1-2/>

Electives II: SEM I - Introduction to SEM, 25.09.-29.09.2023

Electives II: TEM I - Introduction to TEM, 18.09. - 22.09.2023