Your Study Plan MSc in Life Sciences FHWN

florian ratz
Specialization: Biomedical Engineering

2022 AS

Module Title	Type	ECTS	Venue
Advanced NMR Spectroscopy	S	3	Muttenz
Biostructures and Solid State Sciences	S	3	Muttenz
Genomics	S	3	Muttenz
Chromatography and Mass-Spectrometry	S	3	Muttenz
Sustainable Process Development	S	3	Muttenz
Process Transfer and Scale-up	S	3	Muttenz
Sensors and Signal Processing	S	3	Muttenz
Progresses in Food Processing	CS	3	Sion
Nutrition and Nutrition Related Chronic Diseases	CS	3	Olten
Modelling of Complex Systems	E	3	Olten/online
Machine Learning and Pattern Recognition	E	3	Olten/online
Design and Analysis of Experiments	CC	3	online/Muttenz
Data and Ethics	CC	3	online/Muttenz

2023 SS

Module Title	Type	ECTS	Venue
Advanced Mass Spectrometry	S	3	Muttenz
Molecular & Translational Imaging	S	3	Muttenz
Proteomics and Protein Analytics	S	3	Muttenz
Biomarker	S	3	Muttenz
Implant Design and Manufacturing	S	3	Muttenz
Physiology and Immunotherapies	CS	3	Bern/online
Tissue Engineering for Drug Discovery	CS	3	Olten/Bern/online
Regulatory Affairs	E	3	Sion
Sustainable Food Supply Chains	CS	3	Olten/online

Advanced Sensory Techniques	CS	3	Changins
Optimisation Methods	E	3	Olten/online
Management and Leadership for Life Sciences	CC	3	online/Muttenz
Innovation and Project Management	CC	3	online/Muttenz

later

Module Title	Type	ECTS	Venue
Reaction Technology	S	3	Muttenz
Process Development and Technology	S	3	Muttenz
Medical Device Development	S	3	Muttenz
Surgical Robotics	S	3	Muttenz
Polymers and Applications	CS	3	Fribourg
Green Chemistry	CS	3	Olten/online
Medical Imaging and Image Processing	E	3	Olten/online
Politics and Society	CC	3	online/Muttenz

<optional courses title>

later

Module Title	ECTS	Venue
English for MSc Students	0	Muttenz

<outsideModules title>

Module Title	ECTS	University
A module	5	Trump University

<overlapping courses title>

2023 SS

Slot I
Tissue Engineering for Drug Discovery
Sustainable Food Supply Chains

Master Thesis planned for 01.09.2023 to <thesis end>

Broad Subject Area

- additive manufacturing
- biomedical sensors and signal processing
- regulatory affairs
- quality management
- active implants
- biofabrication

Additional Comments

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Please note that the module offer and the timing of the modules may change in the future.

Agreed, Date	Signature Student	Signature Director of Study Programme