

Framework Timetable Applied Computational Life Sciences

Autumn Semester 26					
Week	CW38-44				
Day	Monday (ZHAW Wädenswil)	Tuesday (ZHAW Wädenswil)	Wednesday	Thursday (Bern/Olten and online)	Friday (online)
Module	V5_8 Computational Life Science Seminar (morning)	D1 Handling and Visualising Data decentralized Teaching (morning)		CO1 Modelling of Complex Systems (whole day)	D1 Handling and Visualising Data (morning)
	V5_9 Advanced Deep Learning (morning)	D4 Data and Ethics decentralized Teaching (morning)		F6 Journal Club "Food and Nutrition Sciences" (whole day)	D4 Data and Ethics (afternoon)
	V5_1 Programming Algorithms and Data Structures (afternoon)	V5_2 Mathematical Modelling (afternoon)		BP8 Physicochemical Principles in Pharmaceuticals (whole day)	
	V5_16 Biology for Computational Scientist (afternoon)			C1 Materials Science (whole day)	
	V5_3 Track module 1			E1 Journal Club Environmental and Natural Resource Sciences (whole day)	
Comment	- Modules can be attended in the same semester	- The decentralized teachings do not take place at the same time		- Modules can not be attended in the same semester	- Modules can be attended in the same semester

Autumn Semester 26					
Week	CW45-51				
Day	Monday (ZHAW Wädenswil)	Tuesday (ZHAW Wädenswil)	Wednesday	Thursday (Bern/Olten and online)	Friday (online)
Module	V5_8 Computational Life Science Seminar (morning)	D2 Design and Analysis of Experiments decentralized Teaching (morning)		CO2 Machine Learning and Pattern Recognition (whole day)	D2 Design and Analysis of Experiments (morning)
	V5_9 Advanced Deep Learning (morning)	D3 Modelling and Exploration of Multivariate Data decentralized Teaching (morning)		BP1 Compound Profiling in Pharmaceutical Drug Discovery (whole day)	D3 Modelling and Exploration of Multivariate Data (afternoon)
	V5_1 Programming Algorithms and Data Structures (afternoon)	V5_2 Mathematical Modelling (afternoon)		C2 Surface Characterisation (whole day)	
	V5_16 Biology for Computational Scientist (afternoon)			E2 Life Cycle Assessment (whole day)	
	V5_3 Track module 1				
Comment	- Modules can be attended in the same semester	- The decentralized teachings do not take place at the same time		- Modules can not be attended in the same semester	- Modules can be attended in the same semester

Week	CW04	CW05	CW06
Day	whole week on site		whole week on site
Module	F1 Progress in Food Processing (Sion)	E4 Ecological Infrastructure in Landscapes (Geneva)	F2 Nutrition and Nutrition Related Chronic Diseases (Bern)
	BP3 Design of Biopharmaceutical Production Facilities (Wädenswil)		BP7 Bioanalytics in a Regulated Environment (Mutzens)
	E3 Sustainable Natural Resource Management (Zollikofen)		C3 Polymers and Applications (Fribourg)
Comment	- Modules can not be attended in the same semester		- Modules can not be attended in the same semester

Spring Semester 27					
Week	CW08-15				
Day	Monday (ZHAW Wädenswil)	Tuesday (ZHAW Wädenswil)	Wednesday	Thursday (Bern/Olten and online)	Friday (online)
Module	V5_14 Software Engineering and Design Patterns (morning)	B1 Business Administration for Life Sciences decentralized Teaching (morning)		CO3 Optimisation and Bio-Inspired Algorithms (whole day)	B1 Business Administration for Life Sciences (morning)
	V5_15 Developing Software as a Product (morning)	B2 Management and Leadership for Life Sciences decentralized Teaching (morning)		F3 Foodomics (whole day)	B2 Management and Leadership for Life Sciences (afternoon)
	V5_10 Relational Databases (afternoon, CW08-12)	D1 Handling and Visualising Data decentralized Teaching (morning)		BP5 Physiology and Immunotherapies (whole day)	D1 Handling and Visualising Data (morning)
		D4 Data and Ethics decentralized Teaching (morning)		C4 Green Chemistry (whole day)	D4 Data and Ethics (afternoon)
	V5_7 Track module 2	V5_12 Introduction to Neural Networks (afternoon, CW08-12)		E5 Biodiversity (whole day)	
Comment	- Modules can be attended in the same semester	- The following decentralized teachings can not be attended in the same semester: B1+D1 and B2+D4		- Modules can not be attended in the same semester	- The following modules can not be attended in the same semester: B1+D1 and B2+D4

Spring Semester 27					
Week	CW16-22				
Day	Monday (ZHAW Wädenswil)	Tuesday (ZHAW Wädenswil)	Wednesday	Thursday (Olten and online)	Friday (online)
Module	V5_14 Software Engineering and Design Patterns (morning)	B3 Innovation and Project Management decentralized Teaching (morning)		CO4 Imaging for the Life Sciences (whole day)	B3 Innovation and Project Management (morning)
	V5_15 Developing Software as a Product (morning)	B4 Politics and Society decentralized Teaching (morning)		F4 Sustainable Food Supply Chains (whole day)	B4 Politics and Society (afternoon)
	V5_11 Advanced Data Architectures (afternoon, CW13-21)	D2 Design and Analysis of Experiments decentralized Teaching (morning)		BP6 Tissue Engineering for Drug Discovery (whole day)	D2 Design and Analysis of Experiments (morning)
		D3 Modelling and Exploration of Multivariate Data decentralized Teaching (morning)		C5 Chemistry and Energy (whole day)	D3 Modelling and Exploration of Multivariate Data (afternoon)
	V5_7 Track module 2	V5_13 Deep Learning (afternoon, CW13-21)		E6 Water Management for Households, Industry and Agriculture (whole day)	
Comment	- Modules can be attended in the same semester	- The following decentralized teachings can not be attended in the same semester: B3+D2 and B4+D3		- Modules can not be attended in the same semester	- The following modules can not be attended in the same semester: B1+D1 and B2+D4

Week	CW23
Day	whole week on site
Module	F5 Advanced Sensory Techniques (Changins)
	BP4 Regulatory Affairs (Sion)
	C6 Industrial Chemical Process Safety (Fribourg)
Comment	- Modules can not be attended in the same semester

* This is an overview. Please refer to the weekly timetables for the exact dates and times.

Core Competences (D: Data / B: Business)	At least 12 ECTS Compulsory D2, D3
Cluster-specific modules	At least 9 ECTS
Cluster-specific modules from other areas	all modules from the other areas
Total cooperation modules	21-34 ECTS
Specialisation skills	Compulsory V5_2, V5_3, V5_7, V5_11, V5_13 AN REBSI O ELL I O QUI OI VQ_1, VQ_14, VQ_1D, V5_16
	Elective V5_8, V5_9, V5_10, V5_12
Total specialisation skills	26-39 ECTS
Master's thesis	Compulsory Milestone 1-3
Total Milestones (Master's thesis)	30 ECTS
Required number of ECTS for completion	90 ECTS