Framework Timetable Applied Computational Life Sciences

		Autumn Semester		Spring Semester		
	CW38-44			CW08-14		
	Mon-Tues (Wädenswil and online)	Thursday (Olten and online)	Friday (online)	Mon-Tues (Wädenswil and online)	Thursday (Berne/Olten and online)	Friday (online)
	V5_1 Programming Algorithms and Data[Structures	CO1 Modelling of Complex Systems (Olten	D1 Handling and Visualising Data	V5_4 Databases and Data Architecture Systems	CO3 Optimisation and Bio-Inspired Algorithms (Olten)	B1 Business Administration for Life Sciences
	V5_2 Mathematical Modelling	F6 Journal Club "Food and Nutrition Sciences" (Berne)	D4 Data and Ethics	V5_6 Neural Networks and Deep Learning	F3 Foodomics (Berne)	B2 Management and Leadership for Life Sciences
	V5_9 Advanced Deep Learning	BP1 Compound Profiling in Pharmaceutical Drug Discovery (Olten)		V5_8 Computational Life Science Seminar	BP5 Physiology and Immunotherapies (Berne)	
		C1 Materials Science (Olten)	_		C4 Green Chemistry (Olten)	
<u></u>		E1 Journal Club Environmental and Natural Resource Sciences (Berne)		<u> </u>	E5 Biodiversity (Berne)	
	- Modules can be attended in the same semester	Attention: Modules can not be attended in the same semester	- Modules can be attended in the same semester	- Modules can be attended in the same semester	Attention: Modules can not be attended in the same semester	- Modules can be attended in the same semester
Comment			Attention: decentralized Teaching takes place on Tuesday morning in Wädenswil			Attention: decentralized Teaching takes place on Tuesday morning in Wädenswil
		011/45 54			01445.04	
	Mon-Tues (Wädenswil and online)	CW45-51 Thursday (Olten and online)	Eridov (opline)	Mon-Tues (Wädenswil and online)	CW15-21 Thursday (Olten and online)	Friday (aplina)
	V5_1 Programming Algorithms and Data	_5 (CO2) Machine Learning and Pattern	Friday (online)	V5_4 Databases and Data Architecture		Friday (online)
	Structures	Recognition (Olten)	D2 Design and Analysis of Experiments	Systems	CO4 Imaging for the Life Sciences	B3 Innovation and Project Management
	V5_2 Mathematical Modelling	BP8 Physicochemical Principles in Pharmaceutics (Olten)	D3 Modelling and Exploration of Multivariate Data	V5_6 Neural Networks and Deep Learning	F4 Sustainable Food Supply Chains (Olten)	B4 Politics and Society
	V5_9 Advanced Deep Learning	C2 Surface Characterisation (Olten)	_	V5_8 Computational Life Science Seminar	BP6 Tissue Engineering for Drug Discovery (Olten)	
		E2 Life Cycle Assessment (Berne)			C5 Chemistry and Energy (Olten)	
			-		E6 Water Management for Households, Industry and Agriculture (Olten)	1
	- Modules can be attended in the same semester	Attention: Modules can not be attended in the same semester	- Modules can be attended in the same semester	- Modules can be attended in the same	Attention: Modules can not be attended in the same semester	- Modules can be attended in the same semester
Comment		Same semester	Attention: decentralized Teaching takes place on	semester	Same Semester	Attention: decentralized Teaching takes place on
			Tuesday morning in Wädenswil			Tuesday morning in Wädenswil
	CW04	CW06	1	CW23	Г	
	whole week	whole week	1	whole week	-	
	F1 Progress in Food Processing (Sion)	F2 Nutrition and Nutrition Related Chronic Diseases (Olten)		F5 Advanced Sensory Techniques (Changins)		
	BP3 Design of Biopharmaceutical Production Facilities (Wädenswil)	BP7 Bioanalytics in a Regulated Environment (Muttenz)		BP4 Regulatory Affairs (Sion)		
	E3 Sustainable Natural Resource Management (Zollikofen	C3 Polymers and Applications (Fribourg)		C6 Industrial Chemical Process Safety (Fribourg)		
		E4 Ecological Infrastructure in Landscapes (Geneva)			_	
Comment	Attention: Modules can not be attended in the same semester	Attention: Modules can not be attended in the same semester		Attention: Modules can not be attended in the same semester		
		4 modules / at least 12 ECTS	1			
	Core Competences (D: Data / B: Business)	Compulsory	1			

Core Competences (D: Data / B: Business)	Compulsory D1, D2, D3		
Cluster-specific modules	3 modules / at least 9 ECTS in the category Computation: CO1-CO4		
Cluster-specific modules	Compulsory CO1, CO3		
Cluster-specific modules from other areas	all modules from the other areas		
Total cooperation modules	24-30 ECTS		
Specialization skills	Compulsory V5_1 - V5_7		
Specialisation skills	Elective V5_8, V5_9		
Total specialisation skills	30-36 ECTS		
Master's thesis	Compulsory Milestone 1-3		
Total Milestones (Master's thesis)	30 ECTS		
Required number of ECTS for completion	90 ECTS		