

Annual Plan MSLS for the Cooperation Modules
valid for Autumn semester 2023

(subject to change)

CW	Autumn-Semester 2023														Spring-Semester 2024																																				
	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13*	14*	15	16	17	18*	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Exams (see examination plan)	Replacement for the BECS-cluster as of AS23! Newly takes place on Thursday . More details will follow asap - current information still subject to change														preferred slot for re-examinations																																				
CS, Thursday	CC CS														CC CS																																				
Cluster Computation	CO1: Modelling of Complex Systems (Olten and/or online)							CO2: Machine Learning and Pattern Recognition (Olten and/or online)							CO3: Optimisation and Bio-inspired Algorithms (Olten and/or online)							CO4: Imaging for the Life Sciences (Olten and/or online)																													
Cluster Food	FO: Journal Club Food and Nutrition Sciences (Bern and/or online)							F1: Progresses in Food Processing (Sion)							F2: Nutrition and Nutrition Related Diseases (Olten)							F3: Foodomics (Bern and/or online)							F4: Sustainable Food Supply Chains (Olten and/or online)																						
Cluster Bio/Pharma	BP1: Compound Profiling in Pharmaceutical Drug Discovery (Olten and/or online)							BP2: Physicochemical Principles in Pharmaceutics (Olten and/or online)							BP3: Design of Biopharmaceutical Production Facilities (Wädenswil)							BP7: Bioanalytics in a Regulated Environment (Muttens)							BP5: Physiology and Immunotherapies (Bern and/or online)							BP6: Tissue Engineering for Drug Discovery (Bern/Olten and/or online)															
Cluster Chemistry	C1: Materials Science (Olten and/or online)							C2: Surface Characterisation (Olten and/or online)							C3: Polymers and Applications (Fribourg)							C4: Green Chemistry (Olten and/or online)							C5: Chemistry and Energy (Olten and/or online)																						
Cluster Environment	E1: Journal Club Environmental and Natural Resource Sciences (Bern and/or online)							E2: Life Cycle Assessment (Bern and/or online)							E3: Sustainable Natural Resource Management (Zollikofen)							E4: Ecological Infrastructure in Landscapes (Geneva)							E5: Biodiversity (Bern and/or online)							E6: Water Management for Households, Industry and Agriculture (Olten and/or online)															
CC, Friday online (ZHAW, FHNW)	all other exams														all other exams																																				
Lectures	D1 D1 D1 D1 D1 D1 D1 D2 D2 D2 D2 D2 D2 D2														B1 B1 B1 B2 B2 B2 B2 B3 B3 B3 B3 B3 B3 B3																																				
Morning (4 lessons)	D1 D1 D1 D1 D1 D1 D1 D2 D2 D2 D2 D2 D2 D2														B1 B1 B1 B2 B2 B2 B2 B3 B3 B3 B3 B3 B3 B3																																				
Afternoon (4 lessons)	D4 D4 D4 D4 D4 D4 D4 D3 D3 D3 D3 D3 D3 D3														B4 B4 B4 B4 B4 B4 B4 B4 B4 B4 B4 B4 B4 B4																																				
Coaching	D1 D1 D1 D1 D1 D1 D1 D2 D2 D2 D2 D2 D2 D2														B1 B1 B1 B2 B2 B2 B2 B3 B3 B3 B3 B3 B3 B3																																				
individually per school, 2 lessons per cell	D4 D4 D4 D4 D4 D4 D4 D3 D3 D3 D3 D3 D3 D3														B1 B1 B1 B2 B2 B2 B2 B4 B4 B4 B4 B4 B4 B4																																				
CC, Friday online (BFH, HES-SO)	all other exams														all other exams																																				
Lectures	B1 B1 B1 B2 B2 B2 B2 B3 B3 B3 B3 B3 B3 B3														D1 D1 D1 D1 D1 D1 D1 D2 D2 D2 D2 D2 D2 D2																																				
Morning (4 lessons)	B1 B1 B1 B2 B2 B2 B2 B3 B3 B3 B3 B3 B3 B3														D1 D1 D1 D1 D1 D1 D1 D2 D2 D2 D2 D2 D2 D2																																				
Afternoon (4 lessons)	B4 B4 B4 B4 B4 B4 B4 B4 B4 B4 B4 B4 B4 B4														D4 D4 D4 D4 D4 D4 D4 D3 D3 D3 D3 D3 D3 D3																																				
Coaching	B1 B1 B1 B2 B2 B2 B2 B3 B3 B3 B3 B3 B3 B3														D1 D1 D1 D1 D1 D1 D1 D2 D2 D2 D2 D2 D2 D2																																				
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Legende:
 CC: Core Competences
 CS: Cluster specific modules
 D1: Handling and Visualising Data
 D2: Design and Analysis of Experiments
 D3: Modelling and Exploration of Multivariate Data
 D4: Data and Ethics
 B1: Business Administration for Life Sciences
 B2: Management and Leadership for Life Sciences
 B3: Innovation and Project Management
 B4: Politics and Society
 * Changes possible due to public holidays
 ** no synchronous lectures due to Good Friday