Annual Plan MSLS for the Cooperation Modules
valid for Autumn semester 2024
(subject to change)

	Autumn-Semester 2024	Spring-Semester 2025

CW: 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 37

Exams (see examination plan): CC (CW 46), CS (CW 48); Exams of Block weeks (CW 7); Exams (CC and CS Modules) & re-examination (CW 2–3); *preferred slot for re-examinations* (CW 10–13); CC (CW 16*); CC, CS (CW 18); *slot for re-exams* (CW 36); Exams of CC and CS-Modules, Block weeks & re-examination (CW 26)

CS, Thursday

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
- F6: 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)
- F5: Advanced Sensory Techniques (Changins)

Cluster Bio/Pharma
- BP1: Compound Profiling in Pharmaceutical Drug Discovery (Olten and/or online)
- BP8: Physicochemical Principles in Pharmaceutics (Olten and/or online)
- BP3: Design of Biopharmaceutical Production Facilities (Wädenswil)
- BP7: Bioanalytics in a Regulated Environment (Muttenz)
- BP5: Physiology and Immunotherapies (Bern and/or online)
- BP6: Tissue Engineering for Drug Discovery (Olten and/or online)
- BP4: Regulatory Affairs (Sion)

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)
- C6: Industrial Chemical Process Safety (Fribourg)

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)

Christmas Holiday (CW 52–1); Semester change-over; no lectures due to Ascension Day; no lectures due to Easter; Semester change-over

CC, Friday online (ZHAW, FHNW)

Lectures
	CW 38–44	CW 45–51	CW 8–14	CW 15	CW 16*	CW 18–22
Morning (4 lessons)	D1	D2	B1	B3	**	B3
Afternoon (4 lessons)	D4	D3	B2	B4	**	B4

Coaching/Teaching
	CW 38–44	CW 45–51	CW 8–14	CW 15	CW 16*	CW 18–22
individually per school, 2 lessons per cell	D1 / D4	D2 / D3	B1 / B2	B3 / B4	B3 / B4	B3 / B4

CC, Friday online (BFH, HES-SO)

Lectures
	CW 38–44	CW 45–51	CW 8–14	CW 15	CW 16*	CW 18–22
Morning (4 lessons)	B1	B3	D1	D2	**	D2
Afternoon (4 lessons)	B2	B4	D4	D3	**	D3

Coaching/Teaching
	CW 38–44	CW 45–51	CW 8–14	CW 15	CW 16*	CW 18–22
individually per school, 2 lessons per cell	B1 / B2	B3 / B4	D1 / D4	D2 / D2	D2 / D3	D2 / D3

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