

				Autumn-semester 2022												Spring-semester 2023																																							
				Sept.		October			November			December			January		February		March			April			May			June			July			August			Sept.																		
Month				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
Calendar week																																																							
Code																																																							
Modules																																																							
Cooperation CC Core Competences (at least 15 ECTS)				ECTS																																																			
Lessons: Friday, whole day																																																							
Location: online. For the details please check moodle (https://milscommunitycentre.ch/)																																																							
V - Recommendation																																																							
all V, V5 obligat.	D1	Handling and Visualising Data	3																																																				
		Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)																																																					
all V	D4	Data and Ethics	3																																																				
		Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)																																																					
all V, V5 obligat.	D2	Design and Analysis of Experiments	3																																																				
		Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)																																																					
all V, V5 obligat.	D3	Modelling and Exploration of Multivariate Data	3																																																				
		Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)																																																					
all V	B1	Business Administration for Life Sciences	3																																																				
		Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)																																																					
all V	B2	Management and Leadership for Life Sciences	3																																																				
		Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)																																																					
all V	B3	Innovation and Project Management	3																																																				
		Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)																																																					
all V	B4	Politics and Society	3																																																				
		Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)																																																					
Cooperation CS Cluster specific modules (at least 9 ECTS)				ECTS																																																			
Time: Thursday whole day or blockweek (BW) in CW 4, 5, 6, 25, 26 / *Lecture Group BECS: Wed.																																																							
Location: tba. For the details please check moodle (https://milscommunitycentre.ch/)																																																							
Cluster / Group																																																							
Food	F1	Progress in Food Processing (BW)	3																																																				
Food	F2	Nutrition and Nutrition Related Chronic Diseases (BW)	3																																																				
Food	F3	Foodomics	3																																																				
Food	F4	Sustainable Food Supply Chains	3																																																				
Food	F5	Advanced Sensory Techniques (BW)	3																																																				
Food	F6	Journal Club "Food and Nutrition Sciences"	3																																																				
Bio/Pharma	BP1	Compound Profiling in Pharmaceutical Drug Discovery	3																																																				
Bio/Pharma	BP8	Physicochemical Principles in Pharmaceuticals	3																																																				
Bio/Pharma	BP3	Design of Biopharmaceutical Production Facilities (BW)	3																																																				
Bio/Pharma	BP4	Regulatory Affairs (BW)	3																																																				
Bio/Pharma	BP5	Physiology and Immunotherapies	3																																																				
Bio/Pharma	BP6	Tissue Engineering for Drug Discovery	3																																																				
Bio/Pharma	BP7	Bioanalytics in a Regulated Environment (BW)	3																																																				
Chemistry	C1	Materials Science	3																																																				
Chemistry	C2	Surface Characterisation	3																																																				
Chemistry	C3	Polymers and Applications (BW)	3																																																				
Chemistry	C4	Green Chemistry	3																																																				
Chemistry	C5	Chemistry and Energy	3																																																				
Chemistry	C6	Industrial Chemical Process Safety (BW)	3																																																				
Environment	E1	Journal Club Environmental and Natural Resource Sciences	3																																																				
Environment	E2	Life Cycle Assessment	3																																																				
Environment	E3	Sustainable Natural Resource Management (BW)	3																																																				
Environment	E4	Ecological Infrastructure in Landscapes (BW)	3																																																				
Environment	E5	Biodiversity	3																																																				
Environment	E6	Water Management for Households, Industry and Agriculture	3																																																				
BECS*, V5 obligat.	BECS1	Modelling of Complex Systems	3																																																				
BECS*	BECS2	Machine Learning and Pattern Recognition	3																																																				
BECS*, V5 obligat.	BECS4	Optimisation Methods	3																																																				
BECS*	BECS3	Medical Imaging and Image Processing	3																																																				
ZHAW ILGI V1 Food and Beverage Innovation (Total 20 ECTS)				ECTS																																																			
Time: Mon - Wed																																																							
Location: tba																																																							
tba	V1_1	Food Innovation	5																																																				
tba	V1_2	Product and Process Design	5																																																				
tba	V1_3	Managing the Food Supply Chain	5																																																				
tba	V1_4	Food, Society and Nutrition	5																																																				
tba	V1_5	Digital Food Business	3																																																				
ZHAW ICBT V2 Pharmaceutical Biotechnology (Total 20 ECTS)				ECTS																																																			
Time: mostly Monday, other days possible																																																							
Location: tba																																																							
tba	V2_1	Biodesign: Ways to Active Pharmaceutical Ingredients (API)	5																																																				
tba	V2_2	Bioprocessing and Bioanalytics	5																																																				
tba	V2_3	Downstream and Safety (note o !)	5																																																				
tba	V2_4	Drug Formulation and Biological Test Systems	5																																																				
ZHAW ICBT V3 Chemistry for the Life Sciences (Total 20 ECTS)				ECTS																																																			
Presence-time: primarily Mon-Wed, partly whole week																																																							
Location: tba																																																							
tba	V3_1	Small Active Molecules	4																																																				
tba	V3_2	Big Active Molecules (note x !)	4																																																				
tba	V3_3	Biomaterial and Functional Surfaces	4																																																				
tba	V3_4	Analytical Technologies	4																																																				
tba	V3_5	Green Chemistry - Advanced Concepts	4																																																				
ZHAW ICLS V5 Applied Computational Life Sciences (Total 30 ECTS)				ECTS																																																			
Time: Attendance time Mon & Tue, Track modules individually																																																							
Location: tba																																																							
tba	V5_1	Programming Algorithms and Data-Structures	5																																																				
tba	V5_2	Mathematical Modelling	5																																																				
tba	V5_3	Track module 1	5																																																				
tba	V5_4	Databases and Data Architecture Systems	4																																																				
Wednesday	V5_5	Machine Learning and Pattern Recognition	3	analog BECS2																																																			
tba	V5_6	Neural Networks and Deep Learning	3																																																				
tba	V5_7	Track module 2	5																																																				
tba	V5_8	Computational Life Science Seminar	3																																																				
tba	V5_9	Advanced Deep Learning	3																																																				
ZHAW V1 - V5 Master's Thesis (Total 30-40 ECTS)				ECTS																																																			
Location: ZHAW or external																																																							
by arrangement	V_M	Master's Thesis (V1-V3)	40																																																				
by arrangement	V_M	Master's Thesis (V5)	30																																																				

Legend Exams

E = Exams

Location:
TBD

Timing:
see examination plan
<https://milscommunitycentre.ch/>

Legend PB & CLS

O Project week Downstream and Safety

If 2 groups
CW 8 & 9 (each 3 days)

If more than 2 groups
CW 8 & 9 and CW 26 & 27 (each 3 days)

x Project week Big Active Molecules
CW 25 (5 days)

Legend public holiday

! Weeks with holiday, which affects module days

CW 14 / 15 Good Friday, 07 April & Easter Monday, 10 April 2023

CW 20 Ascension, Thur, 18 May 2023

CW 22 Whit Monday, 29 May 2023

CW 31 CH National Holiday, Mon., 1 August 2023

CW 52 Christmas & New Year 2022/2023