

			Periode		Autumn-semester 2021																												Spring-semester 2022																																																								
			Month		Sept.							October							November							December							January							February							March							April							May							June							July							August							Sept.
			Calendar week		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																																	
Cooperation CC			Core Competences (at least 15 ECTS)		ECTS																																																																																				
Lessons: Friday, whole day																																																																																									
Location: online. For the details please check moodle (https://mislcommunitycentre.ch)																																																																																									
V - Recommendation																																																																																									
all V, V5 obligat.	D1	Handling and Visualising Data <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	3																																																																																						
all V, V5 obligat.	D2	Design and Analysis of Experiments <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	3																																																																																						
all V, V5 obligat.	D3	Modelling and Exploration of Multivariate Data <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	3																																																																																						
all V	B1	Business Administration for Life Sciences <i>Decentralized Teaching ZHAW in Wädenswil (Tues. 8.00-11.35am)</i>	3																																																																																						
all V	B2	Management and Leadership for Life Sciences <i>Decentralized Teaching ZHAW in Wädenswil (Tues. 8.00-11.35am)</i>	3																																																																																						
all V	B3	Innovation and Project Management <i>Decentralized Teaching ZHAW in Wädenswil (Tues. 8.00-11.35am)</i>	3																																																																																						
all V	B4	Politics and Society <i>Decentralized Teaching ZHAW in Wädenswil (Tues. 8.00-11.35am)</i>	3																																																																																						
Cooperation CS			Cluster specific modules (at least 9 ECTS)		ECTS																																																																																				
Time: Thursday whole day or blockweek (BW) in CW 4, 5, 6, 25 / *Lecture Group BECS: Wed.																																																																																									
Location: tba. For the details please check moodle (https://mislcommunitycentre.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	BP2	Drug Formulation and Delivery for Solid Dosage Forms	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 IAS	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	5																																																																																						
Wednesday	V5_5	Machine Learning and Pattern Recognition	3																																																																																						
tba	V5_6	Neural Networks and Deep Learning	2																																																																																						
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://mislcommunitycentre.ch/>

Legend PB & CLS

o Project week Downstream and Safety
Lecture Mon-Wed
If 1 group: CW 8 (3 days)
If 2 groups: CW 8 & 9 (each 3 days)

x Project week Big Active Molecules
Lecture Mon-Wed
If 1 group: CW 25 (5 days)
If 2 groups: CW 25 & 26 (each 5 days)

Legend public holiday

1 Weeks with holiday, which affects module days

CW 15 / 16 Good Friday, 15 April & Easter Monday, 18 April 2022

CW 21 Ascension, Thur, 26 May 2022

CW 21 Whit Monday, 06 June 2022

CW 31 CH National Holiday, Mon., 1 August 2022

CW 51/52 Christmas & New Year 2022/ 2023