

			Autumn-semester 2021																												Spring-semester 2022																																																														
			Sept.							October							November							December							January							February							March							April							May							June							July							August							Sept.						
			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																																							
Code	Modules	ECTS																																																																																											
Cooperation	CC	Core Competences (at least 15 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 <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	D1 D1 D1 D1 D1 D1 E																																																																																										
all V, V5 obligat.	D2	Design and Analysis of Experiments <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	D2 D2 D2 D2 D2 D2 D2 D2 D2																																																																																										
all V, V5 obligat.	D3	Modelling and Exploration of Multivariate Data <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	D3 D3 D3 D3 D3 D3 D3 D3																																																																																										
all V	B1	Business Administration for Life Sciences <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	B1 B1 B1 B1 B1 B1 B1 B1 B1 B1																																																																																										
all V	B2	Management and Leadership for Life Sciences <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	B2 B2 B2 B2 B2 B2 B2 B2 B2 B2																																																																																										
all V	B3	Innovation and Project Management <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	B3 B3 B3 B3 B3 B3 B3 B3 B3 B3																																																																																										
all V	B4	Politics and Society <i>Decentralized Teaching ZHAW in Wädenswil (Tuesday Morning)</i>	B4 B4 B4 B4 B4 B4 B4 B4 B4 B4																																																																																										
Cooperation	CS	Cluster specific modules (at least 9 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)	F1 F1 F1 F1 F1 F1 F1 F1 F1 F1																																																																																										
Food	F2	Nutrition and Nutrition Related Chronic Diseases (BW)	F2 F2 F2 F2 F2 F2 F2 F2 F2 F2																																																																																										
Food	F3	Foodomics	F3 F3 F3 F3 F3 F3 F3 F3 F3 F3																																																																																										
Food	F4	Sustainable Food Supply Chains	F4 F4 F4 F4 F4 F4 F4 F4 F4 F4																																																																																										
Food	F5	Advanced Sensory Techniques (BW)	F5 F5 F5 F5 F5 F5 F5 F5 F5 F5																																																																																										
Food	F6	Journal Club "Food and Nutrition Sciences"	F6 F6 F6 F6 F6 F6 F6 F6 F6 F6																																																																																										
Bio/Pharma	BP1	Compound Profiling in Pharmaceutical Drug Discovery	BP1 BP1 BP1 BP1 BP1 BP1 BP1 BP1 BP1 BP1																																																																																										
Bio/Pharma	BP2	Drug Formulation and Delivery for Solid Dosage Forms	BP2 BP2 BP2 BP2 BP2 BP2 BP2 BP2 BP2 BP2																																																																																										
Bio/Pharma	BP3	Design of Biopharmaceutical Production Facilities (BW)	BP3 BP3 BP3 BP3 BP3 BP3 BP3 BP3 BP3 BP3																																																																																										
Bio/Pharma	BP4	Regulatory Affairs (BW)	BP4 BP4 BP4 BP4 BP4 BP4 BP4 BP4 BP4 BP4																																																																																										
Bio/Pharma	BP5	Physiology and Immunotherapies	BP5 BP5 BP5 BP5 BP5 BP5 BP5 BP5 BP5 BP5																																																																																										
Bio/Pharma	BP6	Tissue Engineering for Drug Discovery	BP6 BP6 BP6 BP6 BP6 BP6 BP6 BP6 BP6 BP6																																																																																										
Bio/Pharma	BP7	Bioanalytics in a Regulated Environment (BW)	BP7 BP7 BP7 BP7 BP7 BP7 BP7 BP7 BP7 BP7																																																																																										
Chemistry	C1	Materials Science	C1 C1 C1 C1 C1 C1 C1 C1 C1 C1																																																																																										
Chemistry	C2	Surface Characterisation	C2 C2 C2 C2 C2 C2 C2 C2 C2 C2																																																																																										
Chemistry	C3	Polymers and Applications (BW)	C3 C3 C3 C3 C3 C3 C3 C3 C3 C3																																																																																										
Chemistry	C4	Green Chemistry	C4 C4 C4 C4 C4 C4 C4 C4 C4 C4																																																																																										
Chemistry	C5	Chemistry and Energy	C5 C5 C5 C5 C5 C5 C5 C5 C5 C5																																																																																										
Chemistry	C6	Industrial Chemical Process Safety (BW)	C6 C6 C6 C6 C6 C6 C6 C6 C6 C6																																																																																										
Environment	E1	Journal Club Environmental and Natural Resource Sciences	E1 E1 E1 E1 E1 E1 E1 E1 E1 E1																																																																																										
Environment	E2	Life Cycle Assessment	E2 E2 E2 E2 E2 E2 E2 E2 E2 E2																																																																																										
Environment	E3	Sustainable Natural Resource Management (BW)	E3 E3 E3 E3 E3 E3 E3 E3 E3 E3																																																																																										
Environment	E4	Ecological Infrastructure in Landscapes (BW)	E4 E4 E4 E4 E4 E4 E4 E4 E4 E4																																																																																										
Environment	E5	Biodiversity	E5 E5 E5 E5 E5 E5 E5 E5 E5 E5																																																																																										
Environment	E6	Water Management for Households, Industry and Agriculture	E6 E6 E6 E6 E6 E6 E6 E6 E6 E6																																																																																										
BECS*, V5 obligat.	BECS1	Modelling of Complex Systems	BECS1 BECS1 BECS1 BECS1 BECS1 BECS1 BECS1 BECS1 BECS1 BECS1																																																																																										
BECS*	BECS2	Machine Learning and Pattern Recognition	BECS2 BECS2 BECS2 BECS2 BECS2 BECS2 BECS2 BECS2 BECS2 BECS2																																																																																										
BECS*, V5 obligat.	BECS4	Optimisation Methods	BECS4 BECS4 BECS4 BECS4 BECS4 BECS4 BECS4 BECS4 BECS4 BECS4																																																																																										
BECS*	BECS3	Medical Imaging and Image Processing	BECS3 BECS3 BECS3 BECS3 BECS3 BECS3 BECS3 BECS3 BECS3 BECS3																																																																																										
ZHAW ILGI	V1	Food and Beverage Innovation (Total 20 ECTS)																																																																																											
Time: Mon - Wed																																																																																													
Location: ZHAW Gröental and Reidbach																																																																																													
tba	V1_1	Food Innovation	V1_1 V1_1 V1_1 V1_1 V1_1 V1_1 V1_1 V1_1 V1_1 V1_1																																																																																										
RT 501	V1_2	Product and Process Design	V1_2 V1_2 V1_2 V1_2 V1_2 V1_2 V1_2 V1_2 V1_2 V1_2																																																																																										
tba	V1_3	Managing the Food Supply Chain	V1_3 V1_3 V1_3 V1_3 V1_3 V1_3 V1_3 V1_3 V1_3 V1_3																																																																																										
tba	V1_4	Food, Society and Nutrition	V1_4 V1_4 V1_4 V1_4 V1_4 V1_4 V1_4 V1_4 V1_4 V1_4																																																																																										
GB 217 / GA 207	V1_5	Digital Food Business	V1_5 V1_5 V1_5 V1_5 V1_5 V1_5 V1_5 V1_5 V1_5 V1_5																																																																																										
ZHAW ICBT	V2	Pharmaceutical Biotechnology (Total 20 ECTS)																																																																																											
Time: mostly Monday, other days possible																																																																																													
Location: ZHAW Reidbach Room RH 112																																																																																													
RH112	V2_1	Biodesign: Ways to Active Pharmaceutical Ingredients (API)	V2_1 V2_1 V2_1 V2_1 V2_1 V2_1 V2_1 V2_1 V2_1 V2_1																																																																																										
RH112	V2_2	Bioprocessing and Bioanalytics	V2_2 V2_2 V2_2 V2_2 V2_2 V2_2 V2_2 V2_2 V2_2 V2_2																																																																																										
tba	V2_3	Downstream and Safety (note o!)	V2_3 V2_3 V2_3 V2_3 V2_3 V2_3 V2_3 V2_3 V2_3 V2_3																																																																																										
tba	V2_4	Drug Formulation and Biological Test Systems	V2_4 V2_4 V2_4 V2_4 V2_4 V2_4 V2_4 V2_4 V2_4 V2_4																																																																																										
ZHAW ICBT	V3	Chemistry for the Life Sciences (Total 20 ECTS)																																																																																											
Presence-time: primarily Mon-Wed, partly whole week																																																																																													
Location: ZHAW Reidbach Room RS 02																																																																																													
RS 02	V3_1	Small Active Molecules	V3_1 V3_1 V3_1 V3_1 V3_1 V3_1 V3_1 V3_1 V3_1 V3_1																																																																																										
tba	V3_2	Big Active Molecules (note x!)	V3_2 V3_2 V3_2 V3_2 V3_2 V3_2 V3_2 V3_2 V3_2 V3_2																																																																																										
tba	V3_3	Biomedical and Functional Surfaces	V3_3 V3_3 V3_3 V3_3 V3_3 V3_3 V3_3 V3_3 V3_3 V3_3																																																																																										
RS 02	V3_4	Analytical Technologies	V3_4 V3_4 V3_4 V3_4 V3_4 V3_4 V3_4 V3_4 V3_4 V3_4																																																																																										
tba	V3_5	Green Chemistry - Advanced Concepts	V3_5 V3_5 V3_5 V3_5 V3_5 V3_5 V3_5 V3_5 V3_5 V3_5																																																																																										
ZHAW IAS	V5	Applied Computational Life Sciences (Total 30 ECTS)																																																																																											
Time: Attendance time Mon & Tue, Track modules individually																																																																																													
Location: ZHAW "Schloss" Room GS c7																																																																																													
GS c7	V5_1	Programming Algorithms and Data-Structures	V5_1 V5_1 V5_1 V5_1 V5_1 V5_1 V5_1 V5_1 V5_1 V5_1																																																																																										
GS c7	V5_2	Mathematical Modelling	V5_2 V5_2 V5_2 V5_2 V5_2 V5_2 V5_2 V5_2 V5_2 V5_2																																																																																										
GS c7	V5_3	Track module 1	V5_3 V5_3 V5_3 V5_3 V5_3 V5_3 V5_3 V5_3 V5_3 V5_3																																																																																										
tba	V5_4	Databases and Data Architecture Systems	V5_4 V5_4 V5_4 V5_4 V5_4 V5_4 V5_4 V5_4 V5_4 V5_4																																																																																										
Wednesday	V5_5	Machine Learning and Pattern Recognition	V5_5 V5_5 V5_5 V5_5 V5_5 V5_5 V5_5 V5_5 V5_5 V5_5																																																																																										
tba	V5_6	Neural Networks and Deep Learning	V5_6 V5_6 V5_6 V5_6 V5_6 V5_6 V5_6 V5_6 V5_6 V5_6																																																																																										
GS c7	V5_7	Track module 2	V5_7 V5_7 V5_7 V5_7 V5_7 V5_7 V5_7 V5_7 V5_7 V5_7																																																																																										
GS c7	V5_8	Computational Life Science Seminar	V5_8 V5_8 V5_8 V5_8 V5_8 V5_8 V5_8 V5_8 V5_8 V5_8																																																																																										
GS c7	V5_9	Advanced Deep Learning	V5_9 V5_9 V5_9 V5_9 V5_9 V5_9 V5_9 V5_9 V5_9 V5_9																																																																																										
ZHAW	V1 - V5	Master's Thesis (Total 30-40 ECTS)																																																																																											
Location: ZHAW or external																																																																																													
by arrangement	V M	Master's Thesis (V1-V3)	V M V M V M V M V M V M V M V M																																																																																										
by arrangement	V M	Master's Thesis (V5)	V M V M V M V M V M V M V M V M																																																																																										

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

1 Weeks with holiday, which affects module days

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

CW 21 Ascension, Thur. 26 May 2022

CW 23 Whit Monday, 06 June 2022

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

CW 52 Christmas & New Year 2021/2022