

Schedule of Lessons

Status: 16.01.24/ V5

Module	Day	Date	Hour	Class-room Lessons	Online Lessons	Topic	Lecturer	University, Company	Location
M1 Networking	Monday	23.10.2023	09:30-12:30	4		Introduction to the program, modalities of proof of competence, expectations	Prof. Norbert Winterberg, Dr. Mariana Melnykovich, Prof. Thomas Rohner and Core Team	BFH	Biel (Auditorium)
			13:30-17:00	4		Networking between students and sponsors, journalists and among each other. Building teams in groups for project work	Dr. Mariana Melnykovich and Core Team	BFH	Biel (Auditorium)
M2 Structural Engineering	Tuesday	24.10.2023	09:00-12:30		4	Reconstruction of buildings temporary and permanent in Ukraine. Timber as construction material. Circular Economy in wood construction - application in Ukraine	Prof. Dr Orest Kiyko	UNFU - Ukrainian National Forestry University	Biel (Auditorium)
M1 Networking			13:30-14:30	2		Networking. Building teams for project work. Introduction to moodle	Dr. Mariana Melnykovich and Core Team	BFH	Biel (Auditorium)
M2 Structural Engineering			15:00-17:00	2		Integrated Risk Management and Critical Infrastructure Protection	Dr. Stefan Brem (BABS)	BABS - Swiss Federal Department of Defence, Civil Protection and Sport Federal Office for Civil Protection	Biel (Auditorium)
f-study and Project Idea Development									
M2 Structural Engineering	Wednesday	08.11.2023	09:00-12:30	4		Introduction to timber construction: basics, construction techniques, hybrid constructions, performance capabilities	Prof. Thomas Rohner	BFH	Biel (Aula)
			13:30-15:00	2		Housing solutions for multiple usage	Prof. Thomas Rohner	BFH	Biel (Aula)
M1 Digital Skills in Construction			15:30-17:00	2		Practical aspects in Project Management in Construction Sector. Contrasts between Ukraine and Switzerland (Project Management Part 0)	Ms Natalie Terekhova	UDEX - United development Experts Ukraine & Kästlibau AG	Biel (Aula)
Topic "Political and legal frameworks conditions for the rebuilding process in Ukraine"									
M4 Interdisciplinary topics	Tuesday	28.11.2023	09:00-12:30	4		Sustainability in rebuilding process. 17 SDGs, Green Deal and power of Social innovations. Gender Equality	Dr. Mariana Melnykovich	HAFL-BFH	Zollikofen, HAFL
			13:30-14:15	1		Sustainability in Building Design and Function. Excursion Around the Campus of Agriculture, Forestry, and Food Sciences	Dr. Mariana Melnykovich	HAFL-BFH	Zollikofen, HAFL
			14:15-15:00	1		Cross-Cultural Communication and Cultural Understanding: A Comparison of Ukraine and Switzerland	Dr. Iryna Chernysh	BFH	Zollikofen, HAFL
			15:30-17:00	2		Environmental impact assessment of the war actions. Green Deal and other policies for "green" rebuilding	Dr. Olena Melnyk	Sumy Agrarian University & ETH Zurich	Zollikofen, HAFL
M3 Engineering Infrastructure	Wednesday	29.11.2023	09:00-11:30	3		Sustainable and renewable energy concepts (solar, wind, hydro, geothermal)	Dr. Mirjam Sick	Pointnair & ETH Zurich	ETH, Zurich
			11:30-12:45		1	Mapping of the energy sector in Ukraine. Assessment of energy infrastructure recovery	Dr. Iryna Sotnyk	University of Geneva	ETH, Zurich
			13:30-16:15	3		Sustainable & renewable energy concepts. HVAC in buildings	Ms Olena Tutova	ETH Zurich	ETH, Zurich
			16:15-17:00	1		Recent developments in energy technology in Switzerland towards affordable, clean, and reliable energy solutions	Dr. Christian Schaffner	ETH Zurich - Energy Science Center	ETH, Zurich
Establishment of potential partnerships with Swiss companies (if necessary). Work on projects									
M3 Engineering Infrastructure	Monday	11.12.2023	09:00-09:45	1		Concrete recycling and application in Ukraine	Prof. Viacheslav Trojan	ETHZ/ Kyiv	Rubigen - Kästli
			9:45-12:30	3		Concrete Laboratory: Sustainable concrete recycling. Carbon capture in concrete recycling	Dr. Daniel Kästli	Kästlibau AG	Rubigen - Kästli
			15:00-17:00	4		Bombshelters in Switzerland: Excursion to Civil Protection Facility in Lyss organised by Swiss Federal Office for Civil Protection	Mr Markus Brunner, Federal Department of Defence, Armed Forces Staff, Mr Andres Zwahlen, Secretary General of the municipalities association of public security in the Aarberg region; Mr Stefan Hofmann, responsible for the CP Facility Lyss; Mr Roland Bollin, expert for building/planning civil protection buildings at the Swiss Federal Office for Civil Protection (BABS)	Bombshelter in Lyss	Bombshelter in Lyss
M4 Interdisciplinary topics	Tuesday	12.12.2023	08:30-10:30	2		Lokstadt Winterthur: Sustainable urban district development, timber construction, 2000 Watt	Mr. Karel Van Eeoud	Implenia	Winterthur-Implenia
M3 Engineering Infrastructure			11:00 - 12:30	2		Architecture in war time	Ms. Olena Orlap	EPFL	Winterthur-ZHAW
M4 Interdisciplinary topics			14:00-17:30	4		Project Work	Dr. Mariana Melnykovich	HAFL-BFH	Winterthur-ZHAW
M4 Interdisciplinary topics	Wednesday	13.12.2023	08:15-12:30	4		Project Work	Dr. Mariana Melnykovich	HAFL-BFH	Niederbipp by Bus
M2 Structural Engineering			13:30-15:00	2		Supply chains, role of trade, procurement, international trading	Corinne Kuratle, Lisa Laggner	Kuratle Academy	Niederbipp by Bus
M3 Engineering Infrastructure			15:30-18:00	2		Wood and wood-based materials for construction in Switzerland	Corinne Kuratle, Lisa Laggner	Kuratle Academy	Niederbipp by Bus
Self-study and Project Work									
M2 Structural Engineering	Monday	15.01.2024	09:00-12:30	4		Damage analysis and decision taking "restoration or demolition and new construction"	Prof. M. Beth & Prof. S. Stürwald	FH OST	Rapperswil
M1 Digital Skills in Construction			13:30-17:00	4		Scanning (BIM2field, Field2BIM), X-ray-Analyses	Mr. Pius Winteler	FARO Swiss GmbH	Rapperswil
M2 Structural Engineering	Tuesday	16.01.2024	09:00-12:30	4		Temporary housing "happy home" including energy and water supply	Prof. M. Beth & F. Gähler	FH OST, MyHappyHome	Rapperswil - Geberit
			13:30-16:15	3		Water supply: provisional and definite solutions. Excursion in the facility of GEBERIT	Mr. Remo Zwick	GEBERIT Schulungszentrum	Rapperswil - Geberit
			16:30-17:30	1		Restoration of water infrastructure and water supply in Ukraine with Swiss WASH program. Features of Swiss Humanitarian Aid in Ukraine by DEZA (tbc)	Mr. Chris Middleton (DEZA) with online connection with representative from Kyiv	DEZA	Rapperswil - Geberit
M2 Structural Engineering	Wednesday	17.01.2024	09:00-12:30	4		Modular, temporary, flexible - learning and playing space for children	Dr. Selina Lutz (Matias Penroz)	HSLU	Lucerne - Horw
			13:30-17:00	4		Sufficiency, efficiency, reduction - housing typologies in small scale	Dr. Selina Lutz (Matias Penroz)	HSLU	Lucerne - Horw
M2 Structural Engineering	Wednesday	31.01.2024	09:00-12:30	4		Prevention of Corruption	Prof. Dr. Michael Derrer	HSLU	Biel
			13:30-17:00	4		Impact Orientation. Projects impact and outcomes	Dr. Petra Bättig-Frey	ZHAW	Biel
Self-study and Project Work									
M1 Digital Skills in Construction	Monday	05.02.2024	09:00-12:30	4		Digitalisation of building with BIM methods	Prof. Mark Baldwin	HSLU	Lucerne - Horw
			13:30-17:00	4		Digitalisation of building with BIM methods, incl. Exam bSI-Certificate	Prof. M. Baldwin, Prof. P. Blume, Prof. S. Toszeghi	HSLU, Halter AG, BIM Facility AG	Lucerne - Horw
M2 Structural Engineering	Tuesday	06.02.2024	09:00-12:30	4		Digitalisation of building with BIM methods, incl. Exam bSI-Certificate	Prof. M. Baldwin, Prof. P. Blume, Prof. S. Toszeghi	HSLU, Halter AG, BIM Facility AG	Lucerne - Horw
			13:30-17:00	4		Digitalisation of building with BIM methods, incl. Exam bSI-Certificate	Prof. M. Baldwin, Prof. P. Blume, Prof. S. Toszeghi	HSLU, Halter AG, BIM Facility AG	Lucerne - Horw
M2 Structural Engineering	Wednesday	07.02.2024	09:00-12:30	4		uptownBasel "International competence centre for Industry 4.0"	Ms. Irina Boulosa	uptownBasel	uptownBasel
M4 Interdisciplinary topics			13:30-15:00	2		Prevention of Corruption	Dr. Marc Steiner	Federal Admin. Court	uptownBasel
			15:30-17:00	2		Circular construction with and for reuse	Mr. Karl Martin	SUMAMI	uptownBasel
Self-study and Project Work									
M1 Digital Skills in Construction	Monday	26.02.2024	09:00-12:30	4		Project Management, Part 1	Prof. Peter Scherer	FHNW	Brugg-Windisch
			13:30-17:00	4		Project Management, Part 2	Prof. Peter Scherer	FHNW	Brugg-Windisch
M3 Engineering Infrastructure	Tuesday	27.02.2024	09:00-12:30	4		Reconstruction / design of traffic routes, roads, railway, bridges, passages	Prof. Dr. Ivan Marković	FH OST	Rapperswil
			13:30-15:00	2		Reconstruction / static assessment and re-use of building material	Prof. S. Stürwald & Prof. M. Beth	FH OST	Rapperswil
M4 Interdisciplinary topics			15:30-17:00	2		Foundations and Philanthropy to support projects implementation	Potluka Oto	Center for Philantropy - University of Basel	Rapperswil
M1 Networking	Wednesday	28.02.2024	09:00-12:30	4		Company Day / Networking for Projects	Ms. Daniela Odermatt, Mr. Krys von Bronk	SIKA- international, presentation & connection to Ukraine-SIKA-Team	tbc
			13:30-17:00	4		Company Day / Networking for Projects	SIKA Day	SIKA- international, presentation & connection to Ukraine-SIKA-Team	tbc
Final Project Work. Final Project Report Preparation									
	Friday	22.03.2024	09:00-17:00	8		Final Colloquium		BFH	Biel (Auditorium)

Subject to change.

Breaks:
Morning: 10:30 - 11:00
Noon: 12:30 - 13:30
Afternoon: 15:00 - 15:30