

# CAS Digital Twins creating business value

Status: 11.05.2023 / Subject to change without notice

MyCampus (<https://mycampus.hslu.ch>) offers you the possibility to download the timetable directly to all common devices with internet access. You will receive the login before the course starts.

	Wochentag	Datum	Zeit	Lesson	Bezeichnung	Dozierende	Form
1	Freitag	20.10.2023	09:05 - 10:40	2	Onboarding	Shaun West / Nathaly Tschanz / Simone Brun	Rotkreuz
			11:00 - 12:35	2	M1: Introduction to Digital Twins and generating business value from it	Shaun West	
			12:35 - 13:15		Gemeinsames Mittagessen		
			13:15 - 16:45	4	M1: Introduction to Digital Twins and generating business value from it	Shaun West	
2	Samstag	21.10.2023	09:05 - 11:45	3	M1: Digital Twin in a Swiss KMU environment	Yann Keiser	Rotkreuz
2	Samstag	21.10.2023	11:50 - 14:50	3	M1: Digital Twin in a Swiss international firm	Matt Anderson	
3	Freitag	27.10.2023	09:05 - 12:35	4	M1: Introduction to modelling	Andrew Paice	Rotkreuz
			13:15 - 16:45	4	M1: Digital Twin resource integration and knowledge management	Petra Müller	
4	Samstag	28.10.2023	09:05 - 12:35	4	M1: Digital Twin and its IT architecture consequences	Chris Frey	Online
5	Freitag	03.11.2023	09:05 - 15:55	7	M1: Digital Twin in a global product centric firm	Christopher Ganz	Rotkreuz
	Samstag	04.11.2023			Reservetag		
6	Freitag	10.11.2023	09:05 - 10:40	2	M2: Creating a family of Digital Twins through ontology	Dimitris Kiritsis	Rotkreuz
			11:00 - 14:00	3	M4: Intro zu Transfer Work and Ideation Workshop	Nathaly Tschanz / Shaun West	
			14:05 - 15:55	2	M2: Digital Twin Lifecycle Management	David Romero	
	Samstag	11.11.2023			Reservetag		
7	Freitag	17.11.2023	09:05 - 15:55	7	M2: Problem based descriptions	Oliver Stoll	Rotkreuz
8	Samstag	18.11.2023	09:05 - 10:40	2	M2: An Approach to Enabling New Value Propositions in Digital Twins with AI Technologies	Cecilia Lee	Online
			11:00 - 12:35	2	M2: Visualization and the Metaverse	Aljosa Smolic	Online
9	Freitag	24.11.2023	09:05 - 10:40	2	M3: Use Case 1 (Ships & Ship building)	Shaun West	Rotkreuz
			11:00 - 12:35	2	M3: Use Case 2 (Production in a factory)	Shaun West	Rotkreuz
			13:15 - 14:50	2	M3: Use Case 3 (Facility Management)	Shaun West	Rotkreuz
			15:10 - 15:55	1	M3: Use case challenge	Shaun West	Rotkreuz
	Samstag	25.11.2023			Reservetag		
10	Freitag	01.12.2023	09:05 - 10:40	2	M2: Build your first model (Intro)	Eugen Rodel	Rotkreuz
			11:00 - 16:45	6	M2: Build your first model (from sketch to model)	Eugen Rodel	Rotkreuz
11	Samstag	02.12.2023	09:05 - 10:40	2	M2: Making up data for your Digital Twin	Simon Züst	Rotkreuz
			11:00 - 16:45	6	M3: Use Case Coaching 1	Simon Züst	Rotkreuz
	Freitag	08.12.2023			Reservetag		
12	Samstag	09.12.2023	09:05 - 12:35	4	M4: Deep Dive Intro	Nathaly Tschanz / Shaun West	Online
13	Freitag	15.12.2023	09:05 - 14:50	6	M3: Use Case Coaching 2	Eugen Rodel	Rotkreuz
14	Samstag	16.12.2023	09:05 - 12:35	4	M2: Integrating real time data and data analytics into Digital Twins	Eugen Rodel	Online
	Freitag	22.12.2023			Reservetag		
	Samstag	23.12.2023			Reservetag		
					Weihnachtsferien (24.12.2023 - 07.01.2024)		
15	Freitag	12.01.2024	09:05 - 10:40	2	M2: Reflections	Shaun West	Rotkreuz
			11:00 - 14:50	4	M3: Use Case Coaching 3	Lukas Schweiger	Rotkreuz
			15:10 - 16:45	2	M3: Introduction to Use Case 4 (Transportation)	Lukas Schweiger	Rotkreuz
	Samstag	13.01.2024			Reservetag		
16	Freitag	19.01.2024	09:05 - 12:35	4	M3: Use Case 4 Coaching (Transportation)	Lukas Schweiger	Rotkreuz
			13:15 - 15:55	3	M3: Use Case presentations	Shaun West	Rotkreuz
	Samstag	20.01.2024			Reservetag		
17	Freitag	26.01.2024	09:05 - 15:55	7	M4: Transfer work atelier with coachings	Eugen Rodel	Rotkreuz/ Online
	Samstag	27.01.2024			Reservetag		
18	Freitag	16.02.2024	09:05 - 11:45	3	M4: Presentations Deep Dive Seminar	Shaun West	Rotkreuz
			11:50 - 15:55	4	M4: Transfer work atelier with coachings	Shaun West / Nathaly Tschanz	Rotkreuz
19	Freitag	08.03.2024	09:05 - 12:35	4	M4: Presentations transfer work	Shaun West / Oliver Stoll / Eugen Rodel	Rotkreuz
			12:35 - 13:30		Gemeinsames Mittagessen zum Abschluss		Rotkreuz
			13.30 - 15.00	2	M4: Special guest (Use of Digital Twins in Industry)	Antonio Padovano	Online

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M1: Understanding Digital Twins
M2: Digital design and development
M3: Creating Digital Twins in different contexts
M4: Deep dive & Transfer

### Lesson times

1	08:25 - 09:00
2	09:05 - 09:50
3	09:55 - 10:40
4	11:00 - 11:45
5	11:50 - 12:35
6	13:15 - 14:00
7	14:05 - 14:50
8	15:10 - 15:55
9	16:00 - 16:45

### Key data

- 26.11.2023 Topic input for transfer work
- 16.02.2024 Presentation Deep Dive Seminar
- 28.02.2024 Submission of the transfer work
- 28.02.2024 Submission of the presentation of the transfer work
- 08.03.2024 Presentation and defensio of the transfer work
- 12.03.2024 Announcement of graduation result (pass/fail) via MyCampus
- 22.03.2024 Graduation
- 05.04.2024 Expiry of rectification period