

# Master LVs Digital Health

## Winter Semester 2021/22

(Lecture period 10/25/21 – 02/18/2022)

Stand: 10/25/2021

**D School Course Design Thinking**  
 (Basic/Advanced/Wayfinder/ Global DTh Workshop)  
 See Website  
 Weinberg/Nicolai  
 D-School

**Trends & Concepts in the Software-Industry II**  
 Prof. Plattner  
 Block  
 Introduction: 28.10.2021, 2pm, Room D-E.9/10  
 Kick-Off Workshop 18./19.11.2021, Haus D-EG  
 Block week expected end February/early March 2022

**Global Team-Based Innovation III**  
 Uebernickel/ de Paula  
 11./12./13./14.04.2022

	Mo	Tue	Wed	Thu	(Thu)/Fr(/Sa)
10:00	Implementing information flow in complex networks Baum/Hiort A1.2	Network Security in Practice Cheng H E.51/52	Artificial Intelligence, ethics and engineering Giese Adriano Zöllner A2.2	Privacy Preserving Outlier Detection Kayem A 2.1 virtual	<b>Block Courses</b> <b>Management Essentials</b> Kearney 11.02./12.02. und 18.02/19.02.2022 10am-4pm H E.51/52 <b>Managing People, Managing Teams, and Leading Change</b> Schäfer 11.12.2021/08.01./29.01.2022 09:30am - 5:30 pm H2.57/58 <b>Conflict- and Communications management</b> Bilstein 22./23./24.03.2022, 9am-5 pm HE.51/52 <b>Digital Health Systems and Data Interoperability</b> Thun, Heltman 19./20.11. + 10./11.12.2021 14./15.01. + 28./29.01.2022 Fridays 09:15am – 5pm /Saturday 09:15 – 4pm HE.51/52 <b>Business Simulation Strategic Management</b> Braun, Dabitz 14.03./17.03./18.03.2022 09am – 6:30pm A 1.1 / A 1.2 / A 2.1 / A 2.2 <b>Startups - From ideas to business (+Bootcamp)</b> Pawlitschek/Mense 05./06.11.2021 9am – 4:30 pm 12.11. – 14.11.2021 HPI Startup Bootcamp 17.12./18.12.2021, 9am – 4:30pm 14.01.2022 – Final Presentation G3.E15/16 <b>Python for Data Science in Digital Health</b> Lippert 28.03. – 08.04.2022 <b>Cyber Threat Intelligence</b> Dörr Block anticipated March 2022 <b>Intra- &amp; interpersonal Skills</b> Leidenfrost 04./05.02.2022 09:30am – 3:30 pm virtual 03./04.03.2022 09am – 6pm HE.51/52 <b>Leading Yourself and Others in a Virtual World</b> Drath 15.03.2022 (starts 10 am) 16.03./17.03.2022 (starts 09am) HE.51/52 <b>Leadership Skills – About the hard effects of Soft Skills</b> Heidemann, Unger 23.03./24.03./25.03.2022, 9am-5pm Exam: 08.04.2022 H2.57/58
11:00	Neurodesign Lecture - Designing for Empathy Von Thienen Plank H E.51/52	AI in Practice: Implementing Real-World Solutions de Melo Pawlitschek Buz E-School Hybrid G-3.E.15/16	Introduction to IT Systems Meinel Rabl Kayem HE 51/52	Privacy Preserving Outlier Detection Kayem A 2.1 virtual	
12:00	Fundamentals of Programming Arnrich Virtual 1. online lecture 10/25/21	Exercises Kryptographie Lehmann FE.06	Graph Neural Networks Giese Adriano, Barkowsky A 2.1	Applied Probabilistic Machine Learning Richard Baum HE.51/52	
13:00	D-School Advanced Track	D-School Basic Track	Combinatorial Optimization Friedrich Issac Kumar A 1.1	Healthcare Fundamentals and Digital Health Trends Boettinger /zu Putlitz virtual	
14:00	Health and Disease Core Competencies Böttinger, Sachs virtual	Exercises Kryptographie Lehmann FE.06	Accountability in AI Polze Gontarska Lemanczyk Wrazen Grzelka A 1.1	Process Mining Leopold H2.57/58	
15:00	Health and Disease Core Competencies Böttinger, Sachs Virtual	Competitive Programming with Deep Learning 2 Friedrich Cohen Doskoč virtuell	Graph Neural Networks Giese Adriano Barkowsky HE 51/52	Healthcare Fundament Digital Health Trends Boettinger /zu Putlitz virtual	
16:00	Machine Intelligence with Deep Learning Yang, Bartz, Bethge Virtual in A1.2 Only 13.12.21 14.02.22	Process Analytics in Healthcare Weske Weidlich Bano A 2.2 26.10./02.11.2021 04.01./15.02.2022	Science - Introduction to Scientific Research Kötzing Teusner HS 2	Advanced Comp. Programming 2 Friedrich Fischbeck Virtuell mit BA	
17:00	Ethics & Dilemmas in a globalized World: Experiences from the SARS-CoV-2-Pandemic Buchberger A1.2	Adversarial self-Supervised learning with digital twins Giese Adriano Xu A 2.1	Graphen-algorithms Friedrich, Lenzner Casel HS 3	Advanced Comp. Programming 2 Friedrich Fischbeck Virtuell mit BA	
18:00	Starts 1:30pm Digital Entrepreneurship Hölzle G 1 E 15/16	Professional -Skills- Colloquium 25.11.2021 09.12.2021 13.01.2022 27.01.2022 10.02.2022	Graphen-algorithms Friedrich, Lenzner Casel HS 3	Advanced Comp. Programming 2 Friedrich Fischbeck Virtuell mit BA	
19:00		Artificial Intelligence, ethics and engineering Giese Adriano Zöllner A 2.2	Modelling of Embedded Systems with Graph Transformations Giese Maximova Schneider A 2.1	Advanced Comp. Programming 2 Friedrich Fischbeck Virtuell mit BA	

Mandatory 1. Semester
Bridge Courses IT
Specialisation/ Prof. Skills  
Recommended 1. Sem
Bridge Course Health
Courses from DH Staff

- Please refer to the HPI website (curriculum descriptions, relocation plan) for any deviations in dates and locations on individual days of the course. -