

Lehrangebot Master SoSe 2022 Cybersecurity (CS)							
Stand: 29.03.2022							
Bezeichnung Lehrveranstaltung	Art	Dozent(inn)en Betreuer(inn)en	SWS	LP	TN (max)	Lehr- sprache	
1	Advanced Competitive Programming	V	Prof. Dr. Tobias Friedrich	4	6	30	DE
2	Advanced Cryptography	V/Ü	Prof. Dr. Anja Lehmann	4	6		DE
3	Application Security	V	Dr. Anne Kayem	4	6		EN
4	Applied Cybersecurity: Challenging IT-Systems in Practice	PS	Prof. Dr. Christian Dörr	4	6	15	DE
5	Approximation Algorithms	V	Prof. Dr. Tobias Friedrich, Dr. Davis Issac, Dr. Nikhil Kumar	4	6		EN
6	Computational Statistics	V/Ü	Prof. Dr. Bernhard Renard, Dr. Christoph Schlaffner	4	6		EN
7	Cryptography and Society	S	Prof. Dr. Anja Lehmann	2	3	20	EN
8	Digital Rail Ringvorlesung + Digital Rail Summer School	V + PS	Prof. Dr. Andreas Polze	4	6		DE
9	Future Internet	V	Prof. Dr. Holger Karl	4	6		nach Abst.
10	Global Team-Based Innovation II	P/S	Prof. Dr. Falk Uebernickel	4	6	15	EN
11	Hardware Conscious Data Processing	V	Prof. Dr. Tilmann Rabi	4	6		ENG
12	Informationsintegration	V	Prof. Dr. Felix Naumann	4	6		DE
13	Methoden der Forschung	S	Prof. Dr. Felix Naumann	2	3	6	DE
14	Mishaps in Statistics and ML	S	Prof. Dr. Bernhard Renard, Dr. Katharina Baum	2	3	6	EN
15	Natural Language Processing	V/Ü	Prof. Dr. Gerard de Melo	4	6	40	EN
16	Netzwerksicherheit	V	Prof. Dr. Christian Dörr	4	6		DE
17	Password-based Authentication: Attacks & Defenses	S	Prof. Dr. Anja Lehmann, Dennis Dayanikli	2	3	10	EN
18	Practical Applications of Deep Learning	S	Dr. Haojin Yang, Christian Bartz, Ting Hu, Joseph Bethge, Goncalo Mordido, Ziyun Li	4	6		EN
19	Probability and Computing	V/Ü	Prof. Dr. Tobias Friedrich, Dr. Samuel Baguley, Dr. Andreas Göbel	4	6	30	EN
20	Quantum-Safe Cryptography	V	Prof. Dr. Anja Lehmann, Dr. Gregor Seiler	2	3		EN
21	entfällt: Security Awareness	PS	Prof. Dr. Christian Dörr	4	6	10	DE
22	AT: Trends and Concepts in the Software Industry 1 NEU: Trends and Concepts of Business Application Architecture	V	Prof. Dr. Hasso Plattner, Dr. Michael Perscheid, Stefan Halfpap, Werner Sinzig, Lukas Böhme, Tobias Wuttke, Ralf Teusner	4	6		EN
23	Usable Security and Privacy	S	Prof. Dr. Christoph Meinel, Dr. Anne Kayem	4	6		EN
Professional Skills - LV							
24	Academic Writing for Science	S	Dr. Sharon Nemeth	2	3	15	EN
25	Advanced Track Design Thinking (D-School) <small>Bewerbung bei der D-School: www.hpi.de/d-school/application</small>	P/S	Dr. Claudia Nicolai	6	9	30	EN
26	Basic Track Design Thinking (D-School) <small>Bewerbung bei der D-School: www.hpi.de/d-school/application</small>	P/S	Dr. Claudia Nicolai	6	9	80	EN
27	Datenschutz und Ethik - Verantwortung zwischen Individuum und Gesellschaft	V	Rainer Rehak	2	3	30	DE
28	Dealing with uncertainty	S (Block)	Christoph Burger	2	3	30	EN
29	Führungskompetenz	S (Block)	Michael Heidemann, Eugen Unger	4	6	30	DE
30	Global Design Thinking-Workshop: Global Design Thinking Challenge (D-School)	P/S	Dr. Claudia Nicolai	2	3	40	EN
31	Interpersonelle Konflikte, Konfliktmanagement und Verhandlungsführung	S (Block)	Prof. Dr. Dorothea Schulze	2	3	15	DE
32	Konflikt- und Kommunikationsmanagement	S (Block)	Eva Bilstein	2	3	15	DE
33	Management & Leadership: "Moments of truth"	S	Dr. Jana Leidenfrost	2	3	25	DE
34	Management Essentials	V	Prof. Dr. Eric Kearney	2	3	25	EN
35	Product Builder	S	Dr. Frank Pawlitschek, David Hahn	4	6	25	EN
36	Rechtsfragen des "Data Engineering"	V (Block)	Dr. Anne Paschke	2	3		DE
37	AT: Sonic Thinking Lecture - Methods of Working with Sound NEU: Sonic Thinking - Computer Music Basics	V	Dr. Julia von Thienen, Dr. Henrik von Coler	2	3		EN
38	AT: Sonic Thinking Seminar - Methods of Working with Sound NEU: Sonic Thinking - Artistic Research into Sound	S	Dr. Julia von Thienen, Dr. Marisol Jimenez	2	3		EN
39	Wayfinder: Self- and Leadership Development (D-School)	P/S	Dr. Martin Schwemmler, Dr. Claudia Nicolai	2	3	18	EN
40	Daten- und KI-Ethik	S (Block)	Prof. Robert Ranisch	2	3	20	DE
41	How to be a (Startup)-CTO	S	Dr. Frank Pawlitschek	2	3	30	DE

Cyber Security	Security Analytics	Identity Management	Cyber Attack and Defense	Professional Skills
CS	SECA	IDMG	CYAD	PSK
HPI- CS-T Security Technologies				
HPI- CS-C Advanced Cryptography				
HPI- CS-S System and Network Security				
HPI- CS-A Application Security				
HPI- CS-PE Data Protection & Ethics				
HPI- CS- Recht, Wirtschaft, Management				
HPI- SECA-K Security Analytics - Konzepte u Methoden	6			
HPI- SECA-T Security Analytics - Techniken u Werkzeuge				
HPI- SECA-S Security Analytics - Spezialisierung				
IDMG-K Identity Management - Konzepte und Methoden		6		
IDMG-T Identity Management - Techniken und Werkzeuge		6		
IDMG-S Identity Management - Spezialisierung		6		
HPI- CYAD-K Cyber Attack and Defense - Konzepte u Methoden			6	
HPI- CYAD-T Cyber Attack and Defense - Techniken u Werkzeuge			6	
HPI- CYAD-S Cyber Attack and Defense - Spezialisierung			6	
PSK-KO Kommunikation				3
HPI- PSKOTB Design Thinking Basic				6
HPI- PSKOTA Design Thinking Advanced				6
HPI- PSK-ML Management und Leitung				6