

BTI4201 / BTI4202 – FS25

SEMSTER PLAN

Week	1	2	3	4	5	6	7	8		9	10	11	12	13	14	15	16
Date	21/02/25	28/02/25	07/03/25	14/03/25	21/03/25	28/03/25	04/04/25	11/04/25	18/04/25	25/04/25	02/05/25	09/05/25	16/05/25	23/05/25	30/05/25	06/06/25	13/06/25
8:20-11:55	BTI4202	BTI4202	BTI4201	BTI4201	BTI4201	BTI4202	BTI4202	BTI4202	UFZ	BTI4202	BTI4202	BTI4202	BTI4202	BTI4202	Auffahrt	BTI4202	Finaltag
	Grothoff	Grothoff	Haenni	Haenni	Haenni	Grothoff	Grothoff	Grothoff		Grothoff	Grothoff	Grothoff	Grothoff	Grothoff		Grothoff	
12:45-16:00	BTI4201	BTI4201	BTI4201	BTI4201	BTI4201	BTI4201	BTI4201	BTI4201	UFZ	BTI4201	BTI4201	BTI4201	BTI4202	BTI4202	Auffahrt	BTI4202	Finaltag
	Haenni	Haenni	Koenig	Koenig	Koenig	Haenni	Haenni	Koenig		Koenig	Koenig	Koenig	Koenig	Koenig		Koenig	

TOPICS

Week	Dozent	Topic	Dozent	Topic
1	Grothoff	Introduction to Computer Security (Part I)	Haenni	Introduction Public-Key Cryptography
2	Grothoff	Introduction to Computer Security (Part II)	Haenni	Diffie-Hellman Key Exchange, Man-in-the-Middle
3	Haenni	Mathematics for Public-Key Cryptography	Koenig	Definitions and terminology, Classical ciphers
4	Haenni	Algorithms and Hardness Assumptions	Koenig	Pseudo-Random Number Generators
5	Haenni	Public-key encryption (RSA, ElGamal)	Koenig	True Random Number Generators
6	Grothoff	Distributed Systems	Haenni	Digital Signatures (RSA, DSA)
7	Grothoff	Availability & Key Management	Haenni	Elliptic Curves
8	Grothoff	Blockchains & Secure Integration	Koenig	Hash algorithms and keyed hashing
9	Grothoff	Secure Channels	Koenig	Symmetric encryption (AES)
10	Grothoff	Certificates and Trust (X.509)	Koenig	Modes of operation (block vs. stream ciphers)
11	Grothoff	Centralized Public-Key Infrastructures	Koenig	Authenticated encryption
12	Grothoff	Decentralized Public-Key Infrastructures	Koenig	Identification protocols
13	Grothoff	Anonymity	Koenig	E-Voting
14	Auffahrt			
15	Grothoff	Blind Signatures	Grothoff	GNU Taler
16	Finaltag			

HOURS

BTI4201	Weeks	Hours	Prozent	ILV
Haenni	7	28	58	121
Koenig	7	28	58	121
Grothoff	0	0	0	0
Total	14	56	117	243

BTI4202	Weeks	Hours	Prozent	ILV
Haenni	0	0	0	0
Koenig	2	8	17	35
Grothoff	12	48	100	208
Total	14	56	117	243