No.	Date	Category	Theory	Practice
1	4/23/2025		Introduction to cryptography	
2	4/24/2025		Symetric Encryption	Laboratory_01: Python Encryption AES
	4/25/2025			
	4/26/2025			
	4/27/2025			
	4/28/2025			
	4/29/2025			
	4/30/2025			
3	5/5/2025		Symetric Encryption	Laboratory_02: DES encryption using OpenSSL
4	5/6/2025	Crypto	Symetric Encryption	Laboratory_03: AES Encryption using OpenSSL
5	5/7/2025		Message Integrity	Laboratory_04: Basic Network Communication and Hashing in Python Laboratory_05: Hashcat
6	5/8/2025		Public Key Encryption	Laboratory_06: OpenSSL for AES, RSA and ECC
	5/9/2025			
	5/10/2025			
	5/11/2025			
7	5/12/2025		Public Key Encryption Key derivation Key exhange	Laboratory_07: Signing docker images Laboratory_08: Python Diffie Hellman
8	5/13/2025		Digital Certificates PgP, GPG o CryptoLoop Law 59/2003 Digital Signature	Laboratory_09: Secure git commits with openPGP Laboratory_10: Kali sslscan Laboratory_11: Test exam for crypto
9	5/14/2025		Identification of PKI components Certified Authority and Elements Self signed certificates	Lab: Self signed certificates based on OpenSSL

10	5/15/2025		Attribute certificate fields, including description of their common uses and relationship with digital certificates. Certificate Policy and Certification Practice Statement (CPS).	Lab: Knowing Let's encrypt	
	5/16/2025 5/17/2025 5/18/2025 4/19/2025 4/20/2025				
11	4/21/2025		Certificate Revocation List (CRL)		
12	4/22/2025		Certificate Signing Request (CSR) operation Privilege Management Infrastructure (PMI)	Lab: PKI standalone based on Windows 2019 Test exam for pki	
12	4/23/2025		Identity and Access Management Systems		
13	4/24/2025			Lab: Configure and IAM system using Keycloak	
	4/25/2025 4/26/2025 4/27/2025				
14	4/28/2025		Web Security Model Web Attack Web Defense	Lab: Use have I been pwned? Lab: Secure password using bycrypt JS	
15	4/29/2025	Secure communications	HTTPS Goals and pitfalls	Lab: Hacking introduction based on Juice shop and Kali Linux	
16	4/30/2025		SSH SSL	Lab: Securing a SSH Server	
	5/1/2025 5/2/2025 5/3/2025 5/4/2025				
17	4/5/2025		SSL VPN IPSEC VPN	Lab: SSL VPN Lab: Intro to packet Tracer	

18	5/6/2025		IPSEC VPN Cipher tunneling	Lab: Packet Tracer IPSec VPN Test exam for secure comm
	5/7/2025			
	5/8/2025			
	5/9/2025			
19	5/10/2025		Final exam	
	5/11/2025			
20	5/12/2025		Retake final exam	