Session	Date	Topics
1	9/9	Introduction
		Definitions, Information Security Dimensions
2	9/9	Classification of cypher systems (symmetric key/public key)
		Symmetric key cryptosystems (Shannon principles)
		Symmetric key cryptosystems (DES, cypher modes, 2DES, 3DES)
		Symmetric key cryptosystems (AES, key distribution)
3	9/11	Symmetric Cryptography Modes of Operation - Analysis
4	9/11	Practical Case Study - Symmetric
5	9/16	Public key cryptosystems
6	9/16	Practical Case Study - Symmetric
7	9/18	Introduction to Quantum Cryptography. Shor's Algorithm
8	9/18	Practical Case Study – Public key
9	9/23	Authentication and unidirectional functions (hash functions, MAC)
		Digital Signatures. Standards
10	9/23	Practical Case Study - Application
11	9/25	Digital Certificates. PKI. Certificate Analysis
12	9/25	Review Activities; Practical Case Study - Application