

| Session | Date | Topics |
|---------|------|---|
| 1 | 9/14 | Introduction |
| | | Definitions, Information Security Dimensions |
| 2 | 9/14 | 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 | 9/16 | Review Activities; Practical Case Study - Symmetric |
| 4 | 9/16 | Review Activities; Practical Case Study - Symmetric |
| 5 | 9/21 | Public key cryptosystems I |

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| 6 | 9/21 | Public key cryptosystems II |
| 7 | 9/23 | Review Activities; Practical Case Study – Public key |
| 8 | 9/23 | Review Activities; Practical Case Study – Public key |
| 9 | 9/28 | Authentication and unidirectional functions (hash functions, MAC) |
| | | Digital Signatures. Standards |
| 10 | 9/28 | Digital Certificates. PKI |
| 11 | 9/30 | Review Activities; Practical Case Study - PKI |
| 12 | 9/30 | Review Activities; Practical Case Study - PKI |