-Stream Ciphers, WEP (weakness), WPA2(why better)  
-Needham-Schroeder Protocol, Kerberos Protocol, Cryptographically Secure PRNGs and Entropy Sources  
-Miller-Rabin Algorithm (how to use it for primality testing)  
-Asymmetric Cryptography, RSA (Key Generation, Encryption/Decryption)  
-Certificate Authorities,  Diffie-Hellman  
-Elliptic Curve Cryptography  
-Discrete Logarithms (as they relate to ECC and Diffie-Hellman)  
-Hashing (why use?)(applications in secure communication, Birthday Paradox), Cryptocurrency (high-level understanding)  
-TCP/IP - 7 layer model, 3-Way Handshake