Encryption Digital Signature Hash message Message Encrypt message Encrypted Message with random symmetric key Random symmetric key Encrypt Digital envelope same symmetric key with receivers **Encrypted Symmetric** public key Key Reciever's public key **Decryption** Digital Decrypt with Compare Signature sender's with hash public key Encrypted Message Decrypt message Message using the symmetric key Hash message Digital envelope Decrypt symmetric Decrypted symmeric key with

private key

Encrypted Symmetric Key

Reciever's ptivate key

key