Summary

CSS 322 – Security and Cryptography

What Have You Learnt?

Theory

- Encryption
 - Classical techniques
 - Current symmetric key algorithms (DES, AES)
 - Public key algorithms (RSA) and mathematics used
 - Applying algorithms: block modes, where to encrypt
- Authentication, certificates and digital signatures
- Hash functions and key distribution

Practice

- Applying authentication and digital signatures
- Security in Internet: IPsec, TLS, Cookies
- Attacks and defences:
 - Virus, Worms, Denial of Service, Buffer Overflow
 - Firewalls

Well Done!

And good luck in exam and 4th year...