

CA169

Networks & Internet

Lecturer & Co-ordinator

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The Course (indicative)

- Layered Network Architectures.
- Physical Issues, Data Encoding, etc..
- The Data-Link Layer
 - The 802 protocols
 - Wired & Wireless Networks
- Network Devices
- Communications Protocols
- Internet Issues
- IP and TCP addressing
- Subnetting
- CIDR
- TCP family Protocols
- Network Security

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Indicative Assignments and Lab work

- Generating HTML for the Web
- Networking tools
- Wireshark traffic capture and analysis exercises (several)
- Internet programming in Java
 - CA only
- IP subnetting and CIDR exercises on Moodle

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Course Structure

- This is a new course
 - Some flexibility to be expected on your part
- Given to CA and EC degrees both
 - Some different emphasis for each group on assignments only
 - Common Exam worth 70%
 - Combined assignments worth 30%
 - Expect 4 assignments worth various marks
- 3 lectures per week (for now)
- Labs on occasions
- I will use Moodle for distributing notes and collecting assignments

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