

# Computer Networks and Operating Systems



## Who, What, Where, Why

Module Leader : Nigel Gunton 3Q77

### Lectures :

- Operating Systems
  - Nigel Gunton 3Q77
- Networks
  - Ian Johnson 3Q77

Lab Tutors 2006 - 2007:

- John Counsell : Groups P/02, P/04
- Graham Darke : Group P/05, P/06
- Laurence O'Brien : Group P/01, P/03

All labs are held in 3P27

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## ■ The Web

- <http://www.cems.uwe.ac.uk/~ngunton>
- <http://www.cems.uwe.ac.uk/~irjohnso>
- search engines, learn to use them effectively
- Acknowledge your sources.

## The Library

### ■ Books!

- about operating systems
- on using Unix like operating systems
- on C programming
- See

[http://www.cems.uwe.ac.uk/~ngunton/cnos\\_new.html](http://www.cems.uwe.ac.uk/~ngunton/cnos_new.html)

- for details

## Course Texts:

### Reccomended:

- Introduction to Operating Systems, John English, Palgrave

### Optional alternative:

- { Operating Systems with Linux, O’Gorman, Palgrave }

### Optional:

- Computer Networks & Internets 4th Ed., Comer, Prentice Hall

## Lectures & Labs:

- Make use of them, ask questions.

- Your lab tutor is a resource.

## Worksheets :

- Do them, they might hold the answers

## Man Pages :

- Learn to read them

- man -k keyword

to find pages relating to keyword

- man man

will tell you how to use man

- man 3 opendir

to specify a particular volume and page.

## Lab Sessions

### ■ Introduction to \*nix

- your environment
- using emacs
- worksheets

- ▶ Lab1 intro
- ▶ Installing Linux
- ▶ Logbook
- ▶ files on the command line

## Lectures

- Introductory stuff
- User perspective of a \*nix O/S
- Manual Installation of an O/S
- Filesystems, processes, memory management
- Concurrency, I/O, Signals, System calls

# CNOS Assignment 1

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In small groups set up and install Linux.

- maintain a logbook of the install
- administer the system,
- value added extras

# CNOS Assignment 1

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- Lab time will be used to work on the assignment.
  - Each stage will be demonstrated and signed off by the lab tutor during the semester.
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