

Module team:	Jeff Haggett	W405d
	John Howse	W420
	John Taylor	W411

Times:	Monday	9.00 – 10.00	W311
	Monday	3.00 – 4.00	W311
	Thursday	11.00 – 12.00	W311

### Module Outline

Weeks 1 – 4	John Taylor
Weeks 5 – 8	Jeff Haggett
Weeks 9 – 12	John Howse
Week 13	Jeff Haggett, John Howse, John Taylor

#### Week beginning

1	18 Feb	Graph theory:	definitions and examples,
2	25 Feb		isomorphisms, paths and cycles,
3	4 Mar		Eulerian and Hamiltonian graphs, trees,
4	11 Mar		digraphs
5	18 Mar	Networks:	shortest and longest paths

#### EASTER

6	15 Apr	Networks contd.	network flows (Assignment hand out)
7	22 Apr		activity networks
8	29 Apr		critical paths
9	6 May	Graph theory	planarity and colouring
10	13 May		
11	20 May	Petri nets	<b>Assignment due: 23 May</b>
12	27 May		
13	3 June	Revision	
14	10 June	Examinations	
15	17 June	Examinations	

### Assessment

Assignment	40%
Open book exam	60%

### Recommended textbook

Robin J Wilson *Introduction to Graph Theory 4th edition* Longman 1996

**You are expected to have access to a copy of this book.**

(The library holds several copies of the 3rd edition, which is also acceptable.)