MATH2300
Info on Graph Theory section of final exam

- Exam is TWO hours long, with 10 minutes perusal time.

- Contributes 64% to final grade.

- 4 Questions, worth 16 marks each (with a few parts for each question). Questions 1 and 2 are on linear algebra; questions 3 and 4 are on graph theory.

Graph Theory questions

- Effectively 8 questions (3abcd and 4abcd)

- Sections 1,2,3,4,5 are examinable; not section 2b and not section 6.

- Most questions are either similar or identical to questions from the problem sheets and assignments. There are a couple of definitions. For example, "define $\omega(G)$, the clique number of a graph G".

- Just a couple of new questions! (One is a proof involving 1-factorizations.)

- A few questions stated like "Give an example of a graph with certain properties".

- You may be asked to state certain important theorems. For example, "State Vizing's Theorem concerning the edge chromatic number of a graph G." You won't be asked to reproduce proofs from the notes (although you should aim to understand them since there may be questions which use similar techniques).

- You won't be asked to apply algorithm 4.2 (from section 4).