TEXT
The text for this course will be
Quantitative Decision Making (7th Ed)
by Lawrence L Lapin & William D Whisler (Duxbury Press)
Chapter references about material covered will be to this book.
Some of the lecture content that is not available in the text will be supplied in the lecture notes.

REFERENCES
Operations Research Applications and Algorithms (3d Ed)
by Winston W. L.(PWS Kent)
Operations Research: An Introduction
by H A Taha (Macmillan)

Topics covered in the course will include:
  Decision making under uncertainty
  Game theory
  Integer programming models and solutions
  Markov process
  Probabilistic inventory models

LECTURES
Each week there will be
  three hours of lectures (Thur 6-9pm) and one tutorial.

The lectures will be taken by S Gudlaugsdottir and M Petersons

TUTORIALS
Tutorials will commence in week 2 of semester.
Tutorial attendance is compulsory and will be monitored.

NOT ATTEMPTING ASSIGNMENTS OR
REPEATED ABSENCE FROM TUTORIALS OR
NOT SITTING THE TESTS
COULD RESULT IN EXCLUSION FROM THE COURSE
WITH A RESULTANT FAIL GRADE

ASSIGNMENTS
There will be nine homeworks.
Homeworks will be COMPULSORY and due in your tutorial.

The homeworks are meant to be a learning device so you will be required to make a reasonable attempt for each homework and your attempt will be monitored.

The homework record will be used to determine borderline grades.
A poor homework record will lead to a downgrade of your SNG.
TEST
A test of one hour duration, worth 10% will be held in the lecture on
Thursday 16th September
covering all material from topics in weeks 1-6 inclusive

You may take into the test ONE A4 page of notes written on ONE side only.

Failure to attend the tests without relevant documentation to explain the absence will result in zero marks being awarded for the test and the possibility of exclusion from the unit.

NOTE: There will be no make up test if the original test is missed.

EXAMS
The final exam will be held during the end of year exam session.
It will be worth 90% of the course assessment and will cover the whole semesters work.

You will be allowed to take into the exam ONE A4 page of notes written both sides.

NOTE: To obtain a passing grade in the course a satisfactory performance will be required in the final exam irrespective of any marks gained during the semester.

Evidence from your homework attempts and tutorial attendance and participation will be used in determining the final grades.

COMPUTING
Computing in this unit will be restricted to using the linear programming package Quickquant (see p1191-1204 of 6th edition of Lapin for a guide) and interpreting the output.

The computer rooms you should use are C5C 215 and C5C 217.

CALCULATORS
You will be able to use a non-programmable calculator in any test or exam.
<table>
<thead>
<tr>
<th>Week Commencing</th>
<th>TOPIC</th>
<th>CHAPTER</th>
<th>Homework Due or TEST</th>
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<tbody>
<tr>
<td>1 2 August</td>
<td>Inventory Models</td>
<td>15 + 279 revision</td>
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<td>2 9 August</td>
<td>Inventory Models</td>
<td>16</td>
<td>Homework 1</td>
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<td>3 16 August</td>
<td>Inventory Models</td>
<td>16</td>
<td>Homework 2</td>
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<td>4 23 August</td>
<td>Game Theory</td>
<td>28 -6th Ed</td>
<td>Homework 3</td>
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<td>5 30 August</td>
<td>Game Theory</td>
<td>28 -6th Ed</td>
<td>Homework 4</td>
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<td>6 6 September</td>
<td>Markov Process</td>
<td>30 -6th Ed</td>
<td>Homework 5</td>
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<td>7 13 September</td>
<td>Test in lecture time</td>
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<td>Test</td>
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<td><strong>Mid semester break</strong></td>
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<tr>
<td>8 4 October</td>
<td>Integer Programming</td>
<td>11.1 + Lecture Notes</td>
<td>Summary of test solution in tutorial</td>
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<td>9 11 October</td>
<td>Integer Programming</td>
<td>Lecture Notes</td>
<td>Homework 6</td>
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<td>10 18 October</td>
<td>Decision Making</td>
<td>6 + Lecture Notes</td>
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<td>11 25 October</td>
<td>Decision Making</td>
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<td>Homework 8</td>
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<td>12 1 November</td>
<td>Decision Making</td>
<td>5</td>
<td>Homework 9</td>
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<tr>
<td>13 8 November</td>
<td>Revision</td>
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**PLAGIARISM**

Plagiarism involves using the work of another person and presenting as one’s own. Any of the following acts constitutes plagiarism unless the source of each quotation or piece of borrowed material is clearly acknowledged:

(a) copying out part of any document or audio-visual material (including computer based material)
(b) using or extracting another person’s concepts, experimental results or conclusions
(c) summarising another person’s work
(d) submitting substantially the same final version of any material as another student in an assignment where there was collaborative preparatory work.

Encouraging or assisting another person to commit plagiarism is a form of improper collusion and may attract some penalties.

Any questions should be directed initially to your tutor. Further information can be obtained from the lecturers in charge, Mr Michael Petersons in C5C 469 or on 9850 8549 or Ms Sibba Gudlaugsdottir in C5C 456 or on 9850 8582.