STAFFING
Examiner: Ray Fairfield
Moderator: Latif Al-Hakim

RATIONALE
Logistics costs represent a significant proportion of the cost of doing business. The planning, organisation and control of the logistics system is therefore critical to the financial and operational success of the business. Astute management of the procurement, inventory, warehousing, transportation and distribution systems is crucial to this success. Business Logistics, addresses the issues relevant to these central targets with the aim of enhanced effectiveness and efficiency.

SYNOPSIS
This course will enable students to: display skills in analysing procurement, inventory and distribution systems, including the ability to determine how to deploy limited capital so that total system costs are minimized and desired customer service levels are maintained; show understanding of the principles of Pareto analysis and know how to apply these principles to the logistics system; develop and use materials requirements planning schemes, and to know when such schemes are appropriate; show an awareness of different warehouse storage systems and to know the advantages and disadvantages of each; examine critically the appropriateness of automation in any typical warehousing situation; and show some insight into the relevant issues concerning transportation and physical distribution system planning.

OBJECTIVES
Completion of this course students will enable students to:

- relate an organisation to its requirements for procurement and distribution;
- analyse procurement and transportation systems and select those appropriate to an organisation;
• relate production systems to their requirements for purchasing, storage and distribution;
• display skills in analysing inventory systems, including the ability to determine how to deploy limited capital so that total system costs are minimized and desired customer service levels are maintained;
• show an awareness of different warehouse storage systems and to know the advantages and disadvantages of each;
• critically examine the appropriateness of automation in any typical warehousing situation; and
• show some insight into the relevant issues concerning physical distribution system planning.

TOPICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Logistics and Strategic Planning</td>
<td>5.00</td>
</tr>
<tr>
<td>2. The Logistics Environment</td>
<td>7.00</td>
</tr>
<tr>
<td>3. Logistics Fundamentals</td>
<td>20.00</td>
</tr>
<tr>
<td>4. Locating Logistics Facilities</td>
<td>10.00</td>
</tr>
<tr>
<td>5. Understanding Inventories</td>
<td>30.00</td>
</tr>
<tr>
<td>6. The Transportation System</td>
<td>7.00</td>
</tr>
<tr>
<td>7. The Acquisition Interface</td>
<td>7.00</td>
</tr>
<tr>
<td>8. Warehousing</td>
<td>7.00</td>
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<tr>
<td>9. Running the Logistic System - Operations</td>
<td>7.00</td>
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</table>

TEXT and MATERIALS required to be PURCHASED or ACCESSED:

Books can be ordered by fax or telephone. For costs and further details use the 'Book Search' facility at http://bookshop.usq.edu.au by entering the author or title of the text.


REFERENCE MATERIALS

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.


STUDENT WORKLOAD REQUIREMENTS

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>HOURS</th>
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</thead>
<tbody>
<tr>
<td>Assessment</td>
<td>15</td>
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<tr>
<td>Directed Study</td>
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<tr>
<td>Lectures</td>
<td>26</td>
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<tr>
<td>Private Study</td>
<td>35</td>
</tr>
<tr>
<td>Project Work</td>
<td>38</td>
</tr>
<tr>
<td>Tutorial</td>
<td>26</td>
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ASSESSMENT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Marks Out of</th>
<th>Wtg(%)</th>
<th>Required</th>
<th>Due Date</th>
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<tbody>
<tr>
<td>ASSIGNMENT A</td>
<td>0.00</td>
<td>0.00</td>
<td>Y</td>
<td>08 Aug 2003</td>
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<tr>
<td>ASSIGNMENT B</td>
<td>20.00</td>
<td>20.00</td>
<td>Y</td>
<td>10 Oct 2003</td>
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<tr>
<td>PRACTICAL REPORT</td>
<td>35.00</td>
<td>35.00</td>
<td>Y</td>
<td>31 Oct 2003</td>
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<tr>
<td>EXAM A &amp; B (MULTI-CHOICE)</td>
<td>25.00</td>
<td>11.00</td>
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<td>EXAM C (WRITTEN)</td>
<td>75.00</td>
<td>34.00</td>
<td>Y</td>
<td>END S2</td>
</tr>
</tbody>
</table>

NOTES:

- The examination is scheduled to be held in the end-of-semester examination period. Students will be advised of the official examination date after the timetable has been finalised.

IMPORTANT ASSESSMENT INFORMATION

1 Attendance requirements:
   If you are an International student in Australia it is a requirement of your student visa that you attend all classes at your campus. For all other students, there are no attendance requirements for this course. However, it is the students' responsibility to study all material provided to them or required to be accessed by them to maximise their chance of meeting the objectives of the course and to be informed of course-related activities and administration.

2 Requirements for students to complete each assessment item satisfactorily:
   To complete each of the assignments satisfactorily, students must obtain at least 50% of the marks available for each assignment. To complete the examination satisfactorily, students must obtain at least 50% of the marks available for the examination.

3 Penalties for late submission of required work:
   If students submit assignments after the due date without prior approval then a penalty of 20% of the total marks available for the assignment will apply for each working day late.
4 Requirements for student to be awarded a passing grade in the course:
To be assured of a passing grade, students must demonstrate, via the summative
assessment items, that they have achieved the required minimum standards in
relation to the objectives of the course by: (i) satisfactorily completing the
examination and assignments; and (ii) obtaining at least 50% of the total weighted
marks available for all summative assessment items.

5 Method used to combine assessment results to attain final grade:
The final grades for students will be assigned on the basis of the weighted aggregate
of the marks obtained for each of the summative assessment items in the course.

6 Examination information:
This is a restricted examination. Candidates are allowed access to specific materials
during the examination. The only materials that candidates may use in the restricted
examination for this course are: writing materials (non-electronic and free from
material which could give the student an unfair advantage in the examination);
calculators which cannot hold textual information (students must indicate on their
examination paper the make and model of any calculator(s) they use during the
examination).

7 Examination period when Deferred/Supplementary examinations will be held:
Any Deferred or Supplementary examinations for this course will be held during
the next examination period.

8 University Regulations:
Students should read USQ Regulations 5.1 Definitions, 5.6 Assessment, and 5.10
Academic Misconduct for further information and to avoid actions which might
contravene University Regulations. These regulations can be found at the URL:
http://www.usq.edu.au/SECARIAT/calendar/Part5/ or in the printed version of the
current USQ Handbook. Students should also read The Guide to Policies and
Procedures of the Faculty which can be found at the URL:
http://www.usq.edu.au/handbook/2003/title663.html or in the printed version of
the current USQ Handbook.

ASSESSMENT NOTES

1 Assignments: (i) The due date for an assignment is the date by which a student
must despatch the assignment to the USQ. The onus is on the student to provide
proof of the despatch date, if requested by the Examiner. (ii) Students must retain
a copy of each item submitted for assessment. This must be produced within five
days if required by the Examiner. (iii) The Examiner may grant an extension of
the due date of an assignment in extenuating circumstances. Students may apply
for an extension through the DEC before the due date or by including an application
with the submitted assignment after the due date. Such applications should be in
writing and include supporting documentary evidence. The authority for granting
extensions rests with the relevant Examiner. (iv) The Examiner will not accept
submission of assignments by facsimile.

2 Course Weightings: Course weightings of topics should not be interpreted as
applying to the number of marks allocated to questions testing those topics in an
examination paper. The examination may test material already tested in assignments.
Deferred Work: Students who, for medical, family/personal, or employment-related reasons, are unable to complete an assignment or to sit for an examination at the scheduled time may apply to defer an assessment in a course. Such a request must be accompanied by appropriate supporting documentation. One of the following temporary grades may be awarded: IDS (Incomplete - Deferred Examination); IDM (Incomplete Deferred Make-up); IDB (Incomplete - Both Deferred Examination and Deferred Make-up).