Description: NIA Information Systems for Managers

<table>
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<tr>
<th>Subject</th>
<th>Cat-Nbr</th>
<th>Class</th>
<th>Term</th>
<th>Mode</th>
<th>Units</th>
<th>Campus</th>
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<tr>
<td>CIS</td>
<td>5002</td>
<td>20097</td>
<td>1, 2003</td>
<td>EXT</td>
<td>1.00</td>
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Academic Group: FOBUS
Academic Org: FOB005
HECS Band: 2
ASCED Code: 020399

OTHER-REQUISITES
Prerequisites Associate level membership or above of the National Institute of Accountants

RATIONALE
We live in an age of technology and for corporations to remain competitive it is essential that management is able to use information technology to support the attainment of corporate goals. Information systems provide a means of supporting the decision making requirements of organisations in a complex environment. Computer technology has developed beyond its original data processing function into a management support role, but this development also makes new demands on managers. The modern manager must be able to understand this technology, plan and develop it using an appropriate methodology, and then use it effectively.

SYNOPSIS
This course examines the trend in the use of computer systems away from data processing and towards information processing, particularly towards that type of decision support required to guide corporate strategy. The strategic implications of information systems are analysed, and students are guided through current developments in the planning, development, implementation, and maintenance of various types of information systems, especially decision support systems. Both hardware and software technologies are studied from the perspective of management in relation to the need of corporations to maintain a competitive edge in a complex and changing environment. Various development methodologies currently used in information systems are compared. The developments in the area of electronic commerce are also assessed. A number of current issues are discussed and extensive reading of both the text and current articles is required.

OBJECTIVES
On successful completion of this course students will be able to:

- Analyse the information needs of an organisation and evaluate how these relate to the decision making activities of key executives.
• Evaluate information as a corporate resource and analyse the activities need to plan.
• Understand and analyse the technical foundations on which information systems are built, and analyse how new directions in technology will impact on the use of information systems by management.
• Understand and evaluate the impact of systems implementation on the organisation in terms of planning, personnel control, security and contingency planning.
• Analyse and critically evaluate the impact of information systems on other key management issues of this decade.

**TOPICS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
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<tbody>
<tr>
<td>1. Managing the Digital Firm</td>
<td>7.70</td>
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<td>2. IS in the Enterprise</td>
<td>7.70</td>
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<td>3. IS and Organisations</td>
<td>7.70</td>
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<td>4. The Digital Firm: E-Business</td>
<td>7.70</td>
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<td>5. Managing Hardware, Software and Data Resources</td>
<td>7.70</td>
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<td>6. Telecommunications and Networks</td>
<td>7.70</td>
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<td>7. The Internet &amp; the new IT Infrastructure</td>
<td>7.70</td>
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<td>8. Redesigning the Organisation with IS</td>
<td>7.70</td>
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<td>9. Understanding the Business Value and Managing Change</td>
<td>7.70</td>
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<td>10. Managing Knowledge</td>
<td>7.70</td>
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<tr>
<td>11. Enhancing Management Decision Making</td>
<td>7.70</td>
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<td>12. IS Security and Control</td>
<td>7.70</td>
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<tr>
<td>13. Ethics and Management of Global IS</td>
<td>7.60</td>
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**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.

Computer access required. Access to a word processor is needed. It is highly recommended to use a computer with CD-ROM drive if you plan to purchase the CD-ROM disk that accompanies the text; it is not essential to buy the CD-ROM in order to pass this course. Access to the Internet is also highly recommended.

Selected articles of current interest from MIS Quarterly, Information & Management, Information Systems Management and other Information Systems Journals are also recommended.

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.

Selected articles of current interest from (MIS Quarterly, Information & Management, Information Systems Management), and other Information Systems Journals.


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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<tr>
<td>2 HOUR EXAMINATION</td>
<td>50.00</td>
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<td>Y</td>
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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:
   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 the examination satisfactorily, students must obtain at least 50% of the marks available for the examination.

3 Penalties for late submission of required work:
   Not applicable.

4 Requirements for student to be awarded a passing grade in the course:
   To be assured of receiving a passing grade a student must achieve at least 50% of the marks for the examination.

5 Method used to combine assessment results to attain final grade:
   Not applicable.

6 Examination information:
   This is a closed examination. Candidates are allowed to bring only writing and drawing instruments into the examination. Students are not permitted to take mobile
telephones, pagers or other electronic means of communication into the examination room.

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/business/polproc/index.htm or in the printed version of the current USQ Handbook.

ASSESSMENT NOTES

1 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.