The University of Southern Queensland  
Course Specification

Description: e-Healthcare Technologies

<table>
<thead>
<tr>
<th>Subject</th>
<th>Cat-Nbr</th>
<th>Class</th>
<th>Term</th>
<th>Mode</th>
<th>Units</th>
<th>Campus</th>
</tr>
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<tr>
<td>CMS</td>
<td>5001</td>
<td>25108</td>
<td>2003</td>
<td>WEB</td>
<td>1.00</td>
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</table>

Academic Group: FOART  
Academic Org: FOA004  
HECS Band: 1  
ASCED Code: 100700

STAFFING

Examiner: Julianne Stewart  
Moderator: Bruce Horsfield

SYNOPSIS

This course addresses the essential components, skills and techniques used in telehealth and telemedicine systems. It takes a "hands on" approach and students taking the course are assumed to have access to a recent model computer. This practical conceptual approach will enable the student to explore the utilisation and operation of health information and communication technologies and to become familiar with the range of systems that operate in health care and treatment. Students will gain practical knowledge and theoretic insights into the use of a number of software and web-based programmes currently operating in health service provision. Students will also be introduced to the operation of major telehealth systems, projects and ventures operating throughout Australia and overseas.

OBJECTIVES

On successful completion of this course students should be able to:

- describe, from a practical, skilled perspective, the uses, operations and applications of computer technology in the field of telemedicine and telehealth;
- demonstrate familiarity and professional competence with the applications of a variety of recognised software currently being used in telemedicine and telehealth projects;
- describe with theoretic awareness and insight a variety of telehealth and telemedicine projects operating in Australian and foreign settings.
### TOPICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
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</thead>
<tbody>
<tr>
<td>1. The use and skilled operation of computer hardware for telehealth and telemedicine applications</td>
<td>15.00</td>
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<tr>
<td>2. Student Network discussion groups on the strengths and limitations of computer hardware in the various professional environments of telehealth and telemedicine</td>
<td>15.00</td>
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<tr>
<td>3. Criteria for the selection, keyboard application and critical evaluation of software in current use in telemedicine and telehealth</td>
<td>15.00</td>
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<tr>
<td>4. Student Network discussion groups on the strengths and limitations of computer software used in telemedicine and telehealth projects</td>
<td>15.00</td>
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<tr>
<td>5. Case studies, programmes and projects in telemedicine and telehealth in Australia, Canada, the USA, Europe and selected Asian countries</td>
<td>25.00</td>
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<tr>
<td>6. Student Network discussion groups to theorise and to formulate critical perspectives concerning comparative advantages and disadvantages of computerised health care applications</td>
<td>15.00</td>
</tr>
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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.

Access to Pentium or 486 computer hardware with CD-Rom and Internet connection.


### 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>
</tr>
</thead>
<tbody>
<tr>
<td>Private Study</td>
<td>165</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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<tr>
<td>DISCUSSION GROUP</td>
<td>25.00</td>
<td>25.00</td>
<td>Y</td>
<td>22 Jul 2003</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(see note)</td>
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<tr>
<td>ASSIGNMENT 1</td>
<td>20.00</td>
<td>20.00</td>
<td>Y</td>
<td>26 Sep 2003</td>
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<tr>
<td>ASSIGNMENT 2</td>
<td>55.00</td>
<td>55.00</td>
<td>Y</td>
<td>14 Nov 2003</td>
</tr>
</tbody>
</table>

**NOTES:**

1. Students will negotiate due dates for this assignment with their tutor.

**IMPORTANT ASSESSMENT INFORMATION**

1. **Attendance requirements:**
   - There are no attendance requirements for this external 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 assessment items satisfactorily, students must obtain at least 50% of the marks available for each assessment item.

3. **Penalties for late submission of required work:**
   - If students submit assignments after the due date without prior approval, then a penalty of 10% of the total marks available for the assignment will apply for each of the first FIVE working days late, after which a zero mark will be given.

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 obtaining at least 50% of the total weighted marks for all summative assessment.

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 (or grades) obtained for each of the summative assessment items in the course.

6 Examination information:
There is no exam for this course.

7 Examination period when Deferred/Supplementary examinations will be held:
Given the details under (6) above, there are no deferred exams for this course. However, if any deferred/makeup work is granted, it would have to be submitted by a date set by the examiner.

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.