The University of Southern Queensland

Course specification

Description: Computer Based Resources in Education

<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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<tbody>
<tr>
<td>EDU</td>
<td>5471</td>
<td>31256</td>
<td>1, 2004</td>
<td>WEB</td>
<td>1.00</td>
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Academic group: FOEDU
Academic org: FOE003
Student contribution band: 1
ASCED code: 070303

STAFFING
Examiner: Petrea Redmond
Moderator: Peter Albion

RATIONALE
As technology pervades our society there is a growing need for educational personal to have contemporary skills and knowledge in the use of, evaluation and management of, a range of Information and Communication Technology (ICT) resources. Current widespread community expectations that education will provide students with the necessary attitudes, knowledge and skills to apply the new ICTs for personal, academic and vocational purposes, brings with it new challenges for all teachers.

SYNOPSIS
Students will have opportunities to develop and extend existing knowledge in the use of ICTs within an educational setting. Emphasis will be placed upon planning for the integration of ICT resources to enhance teaching and learning. Students will become familiar with methods for the evaluation, selection, acquisition and deployment of ICT resources. Current development in ICTs and their implications for education will be considered, together with approaches to the design and implementation of ongoing professional development in the educational use of ICTs.

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

- identify and describe the functions of common components of computer systems with particular reference to systems for educational computing;
- demonstrate familiarity with basic systems operations including formatting disks, creating and accessing directory structures, copying and deleting files using common operating systems applicable for educational settings;
• discuss the implications of local and global computer networking for educational practice;
• locate, retrieve and publish materials using appropriate Internet technologies;
• discuss the advantages and disadvantages associated with different approaches to the location of computers in educational settings;
• compare and contrast different approaches to instructional software;
• evaluate the suitability of hardware and software configurations for application in a range of educational contexts
• evaluate and review educational software using methods and styles appropriate for use in schools and for publication in professional journals
• propose and justify approaches to the effective management of computer based resources in educational settings
• discuss the avenues available for professional development in the educational use of computers
• prepare effective plans and materials for personal and collegial development in educational computing

TOPICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
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<tbody>
<tr>
<td>1. Computer systems for education: hardware components and operating systems</td>
<td>20.00</td>
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<tr>
<td>2. Software: tools for teachers and students; 'educational' software tutorial, drill and practice, simulation CD-ROM and multimedia</td>
<td>25.00</td>
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<tr>
<td>3. Networking and communications: networking the classroom and schools - hardware and software; wider connections - modems, software, services, Internet</td>
<td>25.00</td>
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<td>4. Managing resources: hardware - evaluation and selection, location and maintenance; software - evaluation and selection, collection management</td>
<td>15.00</td>
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<tr>
<td>5. Professional growth: professional associations; development resources; staff training and in service</td>
<td>15.00</td>
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TEXT and MATERIALS required to be PURCHASED or ACCESSED:
ALL textbooks and materials are available for purchase from USQ BOOKSHOP (unless otherwise stated). Orders may be placed via secure internet, free fax 1800642453, phone 07 46312742 (within Australia), or mail. Overseas students should fax +61 7 46311743, or phone +61 7 46312742. For costs, further details, and internet ordering, use the 'Textbook Search' facility at http://bookshop.usq.edu.au click 'Semester', then enter your 'Course Code' (no spaces).
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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<tbody>
<tr>
<td>Assessment</td>
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<tr>
<td>Directed Study</td>
<td>70.00</td>
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<td>Private Study</td>
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## ASSESSMENT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Marks out of</th>
<th>Wtg(%)</th>
<th>Due date</th>
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<tbody>
<tr>
<td>ASSIGNMENT 1</td>
<td>40.00</td>
<td>40.00</td>
<td>23 Apr 2004</td>
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<tr>
<td>ASSIGNMENT 2</td>
<td>60.00</td>
<td>60.00</td>
<td>02 Jul 2004</td>
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## 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 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 5% 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 receiving a passing grade a student must submit all of the summative assessment items and achieve at least 50% of the available weighted marks for those 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 (or grades) obtained for each of the summative assessment items in the course.

6. **Examination information:**
   There is no examination in this course.

7. **Examination period when Deferred/Supplementary examinations will be held:**
   There will be no Deferred or Supplementary examinations in this course.

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/corporateservices/calendar/part5.htm](http://www.usq.edu.au/corporateservices/calendar/part5.htm) or in the current USQ Handbook.

## ASSESSMENT NOTES

1. **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.**
2 Students must retain a copy of each item submitted for assessment. This must be produced within five days if required by the Examiner.

3 The examiner may grant an extension of the due date of an assignment in extenuating circumstances.

OTHER REQUIREMENTS
1 Students will require access to e-mail and Internet access to USQConnect for this course.
2 Students are to regularly participate in online discussions.