Description: Information Communication Technology for Educators

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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>EDU</td>
<td>2473</td>
<td>30732</td>
<td>1, 2004</td>
<td>ONC</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
Information and communication technology (ICT) are becoming increasingly significant to the conduct of education at all levels. On the one hand ICT appears to have potential to improve the outcomes of teaching and learning, and on the other hand there is widespread community expectation that education will provide students with the necessary knowledge and skills to apply the new ICTs for personal and vocational purposes. Beginning teachers need to possess skills in the use of ICT for their personal use together with the ability to plan for effective ICT integration in the classroom.

SYNOPSIS
Students will have opportunities to reinforce and extend existing skills in the use of ICTs, especially as they apply to teaching and learning in classrooms. Emphasis will be placed upon planning for the integration of ICT into the curriculum using appropriate pedagogical approaches. Topics will include consideration of key policy documents relevant to computing, applications of computers for specific curriculum needs and trends and issues in educational use of computers. Students will be introduced to a variety of relevant computer-based resources including software and Internet resources and to methods for the evaluation and selection of such resources for classroom use. Students' progress in the course will be enhanced if they have experience in curriculum planning and have successfully completed professional experience. This course is suitable for early childhood, primary and secondary educators. Intending students should be aware that they will require regular access to ICT resources, including email and the Internet.

OBJECTIVES
Upon successful completion of this course students will be able to:
• demonstrate familiarity with curriculum and policy documents relevant to application of ICT in Queensland education;
• demonstrate basic skills in file management, word processing, spreadsheeting and presentation software;
• locate, retrieve and publish materials using appropriate Internet technologies;
• describe and discuss ways in which computer software can support a range of teaching and learning strategies;
• participate appropriately in a range of electronic forums;
• evaluate and select software and Internet resources for classroom use;
• describe how ICT can be used to promote student-centred learning;
• plan effectively for educational use of ICT resources including common software and the World Wide Web;
• create a transdisciplinary outcomes-based unit of work that makes effective use of an authentic task and where ICT is integral to the learning process;
• model legal and ethical ICT use including compliance with copyright laws;
• demonstrate knowledge of course content using appropriate modes and conventions of expression and presentation.

TOPICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weighting (%)</th>
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<tbody>
<tr>
<td>1. Background to educational use of ICT, relevant policies and guidelines</td>
<td>10.00</td>
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<tr>
<td>2. ICT for Education: hardware components and operating systems, software tools for teachers and students, and educational software</td>
<td>10.00</td>
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<tr>
<td>3. Teaching with Computers: planning for curriculum integration of computers, instructional principles, and classroom management</td>
<td>45.00</td>
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<td>4. Networking and Communications: Internet as educational resource</td>
<td>20.00</td>
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<tr>
<td>5. Trends and Issues in Educational use of ICT, developments in technology, equity issues, and ethical considerations</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.


Department of Education Queensland 1995, Guidelines for the Use of Computers in Learning, Department of Education Queensland, Brisbane.


STUDENT WORKLOAD REQUIREMENTS:

ACTIVITY HOURS
Directed Study 121.00
Lectures 26.00
Tutorial 13.00

ASSESSMENT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Marks out of</th>
<th>Wtg(%)</th>
<th>Due date</th>
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<tr>
<td>PORTFOLIO 1</td>
<td>999.00</td>
<td>30.00</td>
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<td>ASSIGNMENT</td>
<td>999.00</td>
<td>50.00</td>
<td>14 Jun 2004</td>
</tr>
<tr>
<td>PORTFOLIO 2</td>
<td>999.00</td>
<td>20.00</td>
<td>14 Jun 2004</td>
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NOTES:

1. This is a continuous piece of assessment. The portfolio will be developed over the semester, with items required to be handed in during tutorials on a weekly basis.

IMPORTANT ASSESSMENT INFORMATION

1 Attendance requirements:
   It is the students' responsibility to attend and participate appropriately in all activities (such as lectures, tutorials, laboratories and practical work) scheduled for them, and 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 (or at least a grade of C-) 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 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, achieve at least 50% (or C-) in assignment 2 and at least 50% of the available weighted marks (or grades) for the total summative marks for the 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 (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 or in the current USQ Handbook.

ASSESSMENT NOTES

1 Marking criteria are provided in course materials as mark sheets/guides or as part of assignment specifications.

2 All assessment items must be attempted.

3 All assessment items must be created using appropriate software.
OTHER REQUIREMENTS

1. Students will require access to email and Internet access to USQConnect for this course.
2. Students will benefit from completing a successful professional experience and curriculum planning experience prior to completing this course.