



The University of Southern Queensland

Course specification

The current and official versions of the course specifications are available on the web at <http://www.usq.edu.au/coursespecification/current>.
Please consult the web for updates that may occur during the year.

Description: Computing in Education

| Subject | Cat-nbr | Class | Term | Mode | Units | Campus |
|---------|---------|-------|---------|------|-------|-----------|
| EDU | 5472 | 90662 | 2, 2009 | WEB | 1.00 | Toowoomba |

| | |
|-----------------------------------|----------------------------|
| Academic group: | FOEDU |
| Academic org: | FOE003 |
| Student contribution band: | National Priority Teaching |
| ASCED code: | 070303 |

STAFFING

Examiner: Henriette van Rensburg
Moderator: Peter Albion

RATIONALE

The use of computers for instruction creates new opportunities and challenges in the management of learning. Awareness of the possibilities offered by computers and of effective approaches to their use can assist teachers in improving the quality of teaching and learning in a variety of educational contexts.

SYNOPSIS

This course will consider both the theory and practice associated with a variety of approaches to the application of computers for teaching and learning in a variety of educational contexts. Emphasis will be placed upon the use of computer technologies to support curriculum objectives. Students will be introduced to background elements of educational computing including philosophical positions, research evidence and policy documents. These will provide a foundation for consideration of computer literacy, approaches to teaching and learning with technology and to trends and issues in the educational use of computing. NOTES: 1. This course (EDU5472) is available through INTERNET DELIVERY ONLY. There are NO print materials for this course. 2. For details of the technical requirements and accessing Internet study materials, please consult the following URL: <http://usqconnect.usq.edu.au>.

OBJECTIVES

The course objectives define the student learning outcomes for a course. The assessment item(s) that may be used to assess student achievement of an objective are shown in parenthesis. On successful completion of this course students will be able to:

1. Describe, classify and analyse approaches to educational computing. (Assignment 1 and 2)
2. Analyse and apply policy documents and published research outcomes relevant to use of computers in a variety of educational contexts. (Assignment 1)

3. Discuss the role of computer studies as a component of general education in a technological society. (Assignment 1)
4. Describe and discuss ways in which computer software can support a range of teaching and learning strategies. (Assignment 2)
5. Plan for the appropriate application of computer-related activities to meet specific educational needs. (Assignment 2)
6. Develop approaches to the integration of computer use across a range of curriculum areas. (Assignment 2)
7. Plan and implement strategies to encourage effective computer use in relevant educational settings. (Assignment 1)
8. Model ethical computer use including compliance with copyright laws. (Assignment 1 and 2)
9. Develop appropriate responses to equity issues associated with computers in educational contexts. (Assignment 2)
10. Analyse some current trends in the development of computer technology and discuss their implications for education and the wider society. (Assignment 2)
11. Analyse some current issues associated with the use of computers in educational settings. (Assignment 2)
12. Demonstrate knowledge of course content using appropriate modes and conventions of expression. (Assignment 1 and 2)

TOPICS

| | Description | Weighting (%) |
|----|---|---------------|
| 1. | Background to Educational Computing, Myths and Visions, Research Findings, Taxonomy, Policy Documents | 35.00 |
| 2. | Teaching about Computers | 5.00 |
| 3. | Teaching with Computers, Instructional Principles, Planning, Classroom Management | 20.00 |
| 4. | Curriculum Integration of Computers, Computers and Problem Solving, Specific Curriculum Areas | 20.00 |
| 5. | Trends and Issues in Educational Computing, Developments in Technology, Equity Issues, Ethical Considerations | 20.00 |

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.

Reference reading material is supplied in the Course Package.

Whether you are on, or off campus, the USQ Library is an excellent source of information <http://www.usq.edu.au/library/> . The gateway to education resources is here...
<http://www.usq.edu.au/library/faculties/education/default.htm>

STUDENT WORKLOAD REQUIREMENTS

| ACTIVITY | HOURS |
|----------------|-------|
| Assessments | 20.00 |
| Directed Study | 70.00 |
| Private Study | 70.00 |

ASSESSMENT DETAILS

| Description | Marks out of | Wtg (%) | Due date |
|--------------|--------------|---------|-------------|
| ASSIGNMENT 1 | 40.00 | 40.00 | 07 Sep 2009 |
| ASSIGNMENT 2 | 60.00 | 60.00 | 26 Oct 2009 |

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 satisfactorily complete an individual assessment item a student must achieve at least 50% of the marks available.
- 3 Penalties for late submission of required work:
If students submit assignments after the due date without (prior) approval of the examiner then a penalty of 5% of the total marks gained by the student for the assignment may apply for each working day late up to ten working days at which time a mark of zero may be recorded. No assignments will be accepted after model answers have been posted.
- 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 total weighted marks available for the course.
- 5 Method used to combine assessment results to attain final grade:
The final grades for students will be assigned on the basis of the aggregate of the weighted marks 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 is no examination 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>.

OTHER REQUIREMENTS

- 1 Students can expect that questions in assessment items in this course may draw upon knowledge and skills that they can reasonably be expected to have acquired before enrolling in the course. This includes knowledge contained in pre-requisite courses and appropriate communication, information literacy, analytical, critical thinking, problem solving or numeracy skills. Students who do not possess such knowledge and skills should not expect to achieve the same grades as those students who do possess them.
 - 2 Students enrolling in WEB courses MUST have ongoing convenient and reliable access to the Internet in order to access course materials and participate in activities that will affect assessment. The levels of equipment required may change from time to time, with the most recent specification listed at <http://www.usq.edu.au/currentstudents/computingstandards/default.htm>. You can check whether your computer system meets these requirements from USQAssist (<http://usqassist.usq.edu.au/>).
 - 3 Students are to use a recognised referencing system as specified by the Course Examiner.
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