



# EDUC261

## Information and Communication Technologies and Education

S3 Day 2018

*Department of Educational Studies*

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#### Disclaimer

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## General Information

Unit convenor and teaching staff

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Contact via email

upon request

Co-convenor

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Credit points

3

Prerequisites

(12cp at 100 level or above) or EDUC105 or EDUC106 or EDUC107

Corequisites

Co-badged status

Unit description

This unit considers ways in which information and communication technology is changing education. It is particularly concerned with issues related to the use of technology in the classroom: how to successfully select and apply learning technologies to achieve intended learning outcomes; the new literacies that educational technologies create; and appropriate pedagogies for the contemporary global classroom. Practical application of these understandings is developed through a series of skills-based tutorials that focus on how to effectively design learning tasks using the contemporary technological approaches being discussed.

## Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

## Learning Outcomes

On successful completion of this unit, you will be able to:

Perform basic contemporary ICT related tasks using computer software/hardware and the internet (for instance, creating accounts, searching for information, uploading files, posting data)

Describe a range of contemporary ICTs and critically evaluate their potential for educational purposes

Develop ICT-based learning designs based on appropriate selection and use of contemporary educational technologies

Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts

Explain in a broad sense how ICTs impact on our social, cultural and educational lives

Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

## General Assessment Information

It is important to check the EDUC261 unit website and student email regularly as assessment clarifications may be announced and it will be assumed all students have read them. The following requirements apply to assessment tasks:

1. The Quiz Questions Task is to be completed via the Peerwise website (link available from the unit website).
2. The Moodle Module Task is to be submitted via the Turnitin assignment drop-box available from the unit website. The name of your assignment file should include your full name – for instance MattBowerTask2.doc .
3. Extensions of time for the submission of the assignment will be granted only in special circumstances. Applications for such extensions must be made in accordance with the Macquarie University Special Consideration Policy (see <https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration>). In particular, all applications for special consideration need to be made online via Ask (<http://ask.mq.edu.au>). The Professional Authority Form (PAF) is the officially

required documentation, which must be completed by a registered health professional or professional within Macquarie University Campus Wellbeing and Support Services. A copy of the PAF is available online: [https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration/media/documents/Form\\_Special-Consideration\\_PAF.pdf](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration/media/documents/Form_Special-Consideration_PAF.pdf).

4. Late assignments will be penalised at a rate of 5% of the maximum mark for an assignment for each day it is late. The late penalty does not apply when an extension of time has been granted.
5. It should be noted that late assignments cannot be accepted for grading after marked assignments have been returned.
6. Students are responsible for periodic back up of any digital work during the creation of an assignment. In case of Macquarie University system failure students will be provided with reasonable time compensation commensurate with the amount of time that the system was down. All students must keep a digital copy of their assignments so that in case of system failure the assignment can be resubmitted.
7. Students should keep strictly within the stated length or word limit, and students may be penalised for exceeding this limit. Reference lists are not included in the word count. Appendices are not included in the word count, though it is at the marker's discretion as to whether information in appendices is taken into account for determining grades so please ensure all essential information is included in the main body of the submission.
8. The Department of Educational Studies Referencing Procedures must be adopted. These requirements are based on the APA style. Online guides are provided via the unit website to support students with their referencing.
9. Feedback on task performance will be provided via the Gradebook in iLearn. Additionally, feedback for the Task 2 Moodle Module will be provided through Turnitin in the form of performance in relation to the assignment criteria, as well as qualitative feedback in the form of comments. Overall student performance on assignments will be reported using a grade.
10. If you wish to appeal against your grade you must first contact the unit convenor within one week of a marked assignment being returned. If you remain concerned you should arrange to meet with a unit convenor.
11. It is particularly important that students note that by submitting their assignment they are acknowledging that their work is original. Remember assignments must be your own work. Plagiarism is a serious offence.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Quiz Questions</u>	10%	No	11:55pm Sunday 6th Jan 2019
<u>Moodle module</u>	40%	No	11:55pm Sunday 13th Jan 2019
<u>Examination</u>	40%	No	Exam Period
<u>Tutorial Tasks</u>	10%	No	At the end of each tutorial

### Quiz Questions

Due: **11:55pm Sunday 6th Jan 2019**

Weighting: **10%**

Students are to compose 6 multiple choice questions throughout the session. The questions should be based upon the content of EDUC261 lectures, readings and tutorials. As well, students are required to answer the 24 questions composed by other students and provide feedback to them about the quality of their questions. Students will be assessed on their ability to author questions, answer questions, and provide high quality feedback to their peers. Students are expected to complete this task regularly (authoring two questions per week for the first three weeks of session). Marks may deducted for irregular completion (or awarded for regular completion). Further details about this task including marking criteria will be provided in tutorials and through iLearn.

On successful completion you will be able to:

- Describe a range of contemporary ICTs and critically evaluate their potential for educational purposes
- Explain in a broad sense how ICTs impact on our social, cultural and educational lives
- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

### Moodle module

Due: **11:55pm Sunday 13th Jan 2019**

Weighting: **40%**

In groups of three or sometimes two (tutors to organise groups), students are to design and develop a module of work in Moodle (tutors will setup blank Moodle templates). The lessons should be based upon an Australian syllabus or NSW Education Standards Authority (NESA) syllabus. The lessons can relate to one or more outcomes. Students also need to provide a written justification of their designs, and a critical reflection upon their group work processes. Further details about this task including marking criteria will be provided in tutorials and through

iLearn.

On successful completion you will be able to:

- Perform basic contemporary ICT related tasks using computer software/hardware and the internet (for instance, creating accounts, searching for information, uploading files, posting data)
- Develop ICT-based learning designs based on appropriate selection and use of contemporary educational technologies
- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts
- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

## Examination

Due: **Exam Period**

Weighting: **40%**

The rationale for the final examination is to assess whether students can synthesise and articulate the concepts addressed in the unit. This examination will be held during the university exam period. Students will be required to answer ten multiple choice questions and one essay question. *Essay responses need to draw upon the lectures, tutorials and readings to substantiate arguments.* Further details about this task will be provided in tutorials and through iLearn.

On successful completion you will be able to:

- Describe a range of contemporary ICTs and critically evaluate their potential for educational purposes
- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts
- Explain in a broad sense how ICTs impact on our social, cultural and educational lives

## Tutorial Tasks

Due: **At the end of each tutorial**

Weighting: **10%**

Each week students are required to complete activities in tutorial classes. Tutors will specify the activities and assess their completion. Further details about this task will be provided in tutorials and through iLearn.

On successful completion you will be able to:

- Perform basic contemporary ICT related tasks using computer software/hardware and the internet (for instance, creating accounts, searching for information, uploading files, posting data)
- Develop ICT-based learning designs based on appropriate selection and use of contemporary educational technologies
- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts
- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

## Delivery and Resources

### Unit Description

This unit considers ways in which Information and Communication Technology is changing education. It is particularly concerned with issues related to the use of technology in the classroom – how to successfully select and apply learning technologies to achieve intended learning outcomes, the new literacies that educational technologies create, and appropriate pedagogies for the contemporary global classroom. Practical application of these understandings is developed through a series of design-based workshops which focus on how to use the contemporary technological approaches being discussed.

We welcome you to *EDUC261: Information and Communications Technologies and Education* and hope it makes a significant contribution to your learning.

### Unit Organisation

This is a three credit point unit run over a compressed summer session. There are three topics covered each week for four weeks. Each topic includes a one hour recorded lecture that is available on iLearn, and a two hour tutorial. This means that each week students are expected to review 3 hours of lecture material and complete a full day (6 hours worth) of tutorial classes. There are also readings and other work to complete for each topic.

#### Lectures

These are available through the iLearn course website via ECHO360.

#### Weekly Tutorial Schedule

Tutorial Class A: Monday 9am - 4:30pm, in 12SW318 (previously C5A318)

Tutorial Class B: Tuesday 9am - 4:30pm, in 12SW318 (previously C5A318)

Tutorial Class C: Wednesday 9am - 4:30pm, in 12SW318 (previously C5A318)

Tutorial Class D: Thursday 9am - 4:30pm, in 12SW318 (previously C5A318)

Students must attend the tutorials for which they have enrolled. This is because students work at a computer during these sessions and there are a limited number of computers available. As well, E-student is used to create tutorial activity groupings in iLearn, so students who attend tutorial classes other than the one in which they are enrolled may not be able to access their tutorial activities. Any changes to tutorial enrolments must be completed officially through e-student. Please do not contact the unit convenor or tutors to request a change. Students are expected to attend all the tutorials.

Activities completed during tutorials are essential for building the core knowledge and/or skills required to demonstrate the learning outcomes of this unit (as assessed through the Task 4 Tutorial Activities). In order to satisfactorily complete the Task 4 Tutorial Activities students will need to:

- prepare for the tutorial by completing the readings and lecture *prior to class*
- attend the tutorial
- participate in tutorial discussions
- complete the tutorial activities.

## Unit expectations

Students are expected to read the weekly readings before attending tutorials and completing tasks. Students are expected to attend / listen to weekly lectures before attending tutorials and completing tasks. In order to receive a passing grade in this unit your combined marks for all assessment tasks must be at least 50/100, and you must have made a serious attempt at passing all assessment tasks.

Note: It is not the responsibility of unit staff to contact students who have failed to submit assignments. If you have any missing items of assessment, it is your responsibility to make contact with the unit coordinator.

You are required to retain all documentation related to absences. This documentation needs to be presented to your tutor or the unit convenor on request. If sufficient documentation is provided in the case of a tutorial absence then tutors may choose to prescribe activities for you to complete in order for you to demonstrate accomplishment of the tutorial outcomes. If you experience serious and unavoidable disruption you should submit a "special consideration" request through <http://ask.mq.edu.au> (see below).

## Required Reading

The required text for this unit is "Design of Technology-Enhanced Learning - Integrating Research and Practice" by Matt Bower.

### **e-Book version**

A digital copy of the book should be available from <http://ebooks.com> for around \$AU 40, which is about a 65% discount. Simply go to <https://www.ebooks.com/95840983/design-of-technology-enhanced-learning/bower-matt/> and use the discount code provided at the top section of the unit website on checkout to receive the discount. The digital version of the book has several

advantages including being searchable, colour images, and live hyperlinks to web references.

### **Hardcopy version**

Those who prefer a hardcopy version of the book can purchase it from the Co-op Bookshop on campus, with a discount off the RRP for members. A hardcopy version of the book can also be purchased online at <http://www.footprint.com.au/product-detail.asp?product=9781787141834> (use the discount code provided in the iLearn website on checkout to receive a 20% student discount, noting that postage fee will apply).

## **Copyright Issues**

Copyright rules apply to the use of materials taken from other sources. There are images you can use in the development of your assignments without needing to obtain copyright permission. Links to sites that supply copyright free images will be suggested in your tutorials, or you can do a search for them yourselves (Creative Commons). It is essential that you obtain copyright permission for any images you obtain from other web sites or scan from books. You, and the University, are open to prosecution if you post images taken from other sources without permission. If you particularly need to use material from a website/book, most book publishers and sources of web pages will provide copyright permission if you contact them to ask for permission indicating the use is for educational purposes and not for profit - just clearly indicate that it is only being used for local educational purposes.

A limited number of copies are available at the Macquarie University Library.

## **Technology Use and Requirements**

### **Accessing and using the Unit Website**

The EDUC261 unit website is available from the Macquarie University iLearn system available at: <http://ilearn.mq.edu.au>.

To access the site students will need to use their student username and password to log in and then choose EDUC261 from My Online Units menu. Please do NOT contact the Unit Convenor regarding iLearn technical support. CONTACT the Macquarie University Library Student IT Help Desk. Phone 9850 4357. Email [onehelp@mq.edu.au](mailto:onehelp@mq.edu.au) .

### **Software and Hardware**

EDUC261's website has been designed for access by standard Internet technologies, so most common contemporary operating systems and browsers can be used. The website should be able to be accessed using Macintosh, Windows, or Linux based operating systems. Firefox, Chrome and Internet Explorer are the recommended web browsers for this subject.

### **Navigation**

Once you have reached the website all you need to do is follow the text and image links. Please take some time to explore the unit website and orient yourself with the features and resources. Descriptions of some of these are provided below.

### **Communication**

During semester time, communication between staff and students should be through iLearn communication functions or via official MQ student email addresses. It is the student's responsibility to check all electronic communication on a regular basis (at least weekly).

## Website Features

### Unit Outline

You can access the Unit Outline from the link provided at the top of the iLearn unit. The outline is also printable in PDF format. If you cannot view the downloaded file then you may need to install the free Adobe Acrobat Reader software available from <http://get.adobe.com/uk/reader/>.

### Lecture recordings

Recordings of all lectures will be made available online using the Active Learning Platform / ECHO360 system. One option allows you to listen to the lecture in "streaming mode" the other to "download" the lecture and then listen to it. The disadvantage of streaming is that the sound files are very large and they can eventually fill your hard disk. When you stream the file it is not saved on your computer. By downloading the file you can keep a permanent copy of the lecture on your computer and listen to it again without having to reconnect to the Internet.

## Training Support

In order to successfully complete the EDUC261 workshops students need to ensure they have a reasonable level of competence in ICTs and Information Literacy skills. You should be able to operate a computer, complete basic word processing tasks, and use a web-browser to search for information, complete forms, and transfer files. If you feel uncertain about your competency levels it is your responsibility to undertake training to acquire or improve these skills as soon as possible as they will be assumed in the workshops. Options include:

### Units of study

The following two units offered in the Faculty of Science develop technological skills:

ISYS100 – IT and Society (Planet Unit)

INFO104 – International Computer Driving Licence (Semester 2 only).

### Library training

The library offers a range of face-to-face and online workshops to support the development of technological skills. For more details refer to the Macquarie University library website ([http://www.mq.edu.au/on\\_campus/library/](http://www.mq.edu.au/on_campus/library/)) under 'Training'.

### General IT Support and Troubleshooting

For support with access to wireless and other general technology matters, please contact the Macquarie University Library Student IT Help Desk (Phone: 9850 4357; Email: [onehelp@mq.edu.au](mailto:onehelp@mq.edu.au)).

## Withdrawing from this unit

If you are considering withdrawing from this unit, please seek academic advice by writing to

<https://ask.mq.edu.au> before doing so as this unit may be a co-requisite or prerequisite for units in the following semesters and may impact on your progression through the degree.

## Unit Schedule

Week Commencing	Lectures	Tutorial Content
Week 1 (3/12/18)	Introduction to ICT in Education	Intro to unit and technology platforms
	Technology as an educational imperative	Initial analysis of technologies & their educational implications
	The Technology Pedagogy and Content Model and its implications)	Introduction to assessment Task 1
Week 2 (10/12/18)	Pedagogies of Technology-Enhanced Learning	Analysing pedagogies of technology-enhanced learning  Evaluating Moodle modules
	Technology Affordances and Multimedia Learning Effects	Introduction to Learning Management System authoring (Moodle)
	The Representation and Sharing of Content	Learning objects  Sharing and reuse of content (copyright & Creative Commons)  Assessment using technology
Week 3 (17/12/18)	Design Thinking and Learning Design	Introduction to the design of technology enhanced learning (learning design and lesson planning)  Overview of Task 2 Moodle Module
	Designing for Learning using Web 2.0  (blogs, wikis and more)	Designing activities using Web 2.0 tools  Moodle Module group work
	Designing for Learning using Social Networking	Using social networking for learning
Week 3 (17/12/18)	Design of Mobile Technologies	Exploring mobile potentials
	Designing for Learning using Virtual Worlds	Virtual world activities  Moodle module group work
<b>Mid Semester Break</b> –Monday 24th December to Friday 4th January 2019		

Week 4 (7/1/19)	Abstracting Technology-Enhanced Learning Design Principles  Conclusions and Future Directions	Peer feedback on Moodle modules  Reflections and evaluations  Group debriefing  General review
	Unit review	

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central>). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

Undergraduate students seeking more policy resources can visit the [Student Policy Gateway](https://students.mq.edu.au/support/study/student-policy-gateway) (<https://students.mq.edu.au/support/study/student-policy-gateway>). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central) (<https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central>).

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/study/getting-started/student-conduct>

## Results

Results shown in *iLearn*, or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit [ask.mq.edu.au](https://ask.mq.edu.au).

## Grading

The University recognises the importance of producing grades and reports of student learning achievements that are valid, reliable and accurate representations of each student's capabilities in relation to clearly articulated learning outcomes.

Assignments will be awarded grades ranging from HD to F according to guidelines set out in the policy: <http://www.mq.edu.au/policy/docs/grading/policy.htm>. Each assignment uses a standards-based approach to assessment where performance is assessed against specified criteria. You will NOT be notified of a numerical mark for awarded for specific assessment tasks.

Your final unit grade (HD to F) will be accompanied by a numerical grade. The numerical grade reflects the extent to which you have met the overall grade descriptors e.g. an SNG of 73 (ie closer to D than CR) means your work shows evidence of meeting the Credit descriptors and has some characteristics of the Distinction descriptors.

## Grade Descriptors

The following generic grade descriptors provide university-wide standards for awarding final grades.

**HD (High Distinction):** Provides consistent evidence of deep and critical understanding in relation to the learning outcomes. There is substantial originality and insight in identifying, generating and communicating competing arguments, perspectives or problem solving approaches; critical evaluation of problems, their solutions and their implications; creativity in application as appropriate to the discipline.

**D (Distinction):** Provides evidence of integration and evaluation of critical ideas, principles and theories, distinctive insight and ability in applying relevant skills and concepts in relation to learning outcomes. There is demonstration of frequent originality in defining and analysing issues or problems and providing solutions; and the use of means of communication appropriate to the discipline and the audience.

**CR (Credit):** Provides evidence of learning that goes beyond replication of content knowledge or skills relevant to the learning outcomes. There is demonstration of substantial understanding of fundamental concepts in the field of study and the ability to apply these concepts in a variety of contexts; convincing argumentation with appropriate coherent justification; communication of ideas fluently and clearly in terms of the conventions of the discipline.

**P (Pass):** Provides sufficient evidence of the achievement of learning outcomes. There is demonstration of understanding and application of fundamental concepts of the field of study; routine argumentation with acceptable justification; communication of information and ideas adequately in terms of the conventions of the discipline. The learning attainment is considered satisfactory or adequate or competent or capable in relation to the specified outcomes.

**F (Fail):** Does not provide evidence of attainment of learning outcomes. There is missing or partial or superficial or faulty understanding and application of the fundamental concepts in the field of study; missing, undeveloped, inappropriate or confusing argumentation; incomplete, confusing or lacking communication of ideas in ways that give little attention to the conventions

of the discipline.

## Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

## Learning Skills

Learning Skills ([mq.edu.au/learningskills](http://mq.edu.au/learningskills)) provides academic writing resources and study strategies to improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

## Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

## Student Enquiries

For all student enquiries, visit Student Connect at [ask.mq.edu.au](http://ask.mq.edu.au)

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/).

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.

***Please do NOT contact the Unit Convener or Tutors regarding technical support for your computer or iLearn.***

## Graduate Capabilities

### Creative and Innovative

Our graduates will also be capable of creative thinking and of creating knowledge. They will be imaginative and open to experience and capable of innovation at work and in the community. We want them to be engaged in applying their critical, creative thinking.

This graduate capability is supported by:

### Learning outcomes

- Develop ICT-based learning designs based on appropriate selection and use of contemporary educational technologies

- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts

## **Assessment tasks**

- Quiz Questions
- Moodle module
- Examination
- Tutorial Tasks

## **Capable of Professional and Personal Judgement and Initiative**

We want our graduates to have emotional intelligence and sound interpersonal skills and to demonstrate discernment and common sense in their professional and personal judgement. They will exercise initiative as needed. They will be capable of risk assessment, and be able to handle ambiguity and complexity, enabling them to be adaptable in diverse and changing environments.

This graduate capability is supported by:

## **Learning outcomes**

- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts
- Explain in a broad sense how ICTs impact on our social, cultural and educational lives
- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

## **Assessment tasks**

- Quiz Questions
- Moodle module
- Examination
- Tutorial Tasks

## **Commitment to Continuous Learning**

Our graduates will have enquiring minds and a literate curiosity which will lead them to pursue knowledge for its own sake. They will continue to pursue learning in their careers and as they participate in the world. They will be capable of reflecting on their experiences and relationships with others and the environment, learning from them, and growing - personally, professionally and socially.

This graduate capability is supported by:

## Learning outcome

- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

## Assessment tasks

- Quiz Questions
- Moodle module
- Examination
- Tutorial Tasks

## Discipline Specific Knowledge and Skills

Our graduates will take with them the intellectual development, depth and breadth of knowledge, scholarly understanding, and specific subject content in their chosen fields to make them competent and confident in their subject or profession. They will be able to demonstrate, where relevant, professional technical competence and meet professional standards. They will be able to articulate the structure of knowledge of their discipline, be able to adapt discipline-specific knowledge to novel situations, and be able to contribute from their discipline to inter-disciplinary solutions to problems.

This graduate capability is supported by:

## Learning outcomes

- Perform basic contemporary ICT related tasks using computer software/hardware and the internet (for instance, creating accounts, searching for information, uploading files, posting data)
- Describe a range of contemporary ICTs and critically evaluate their potential for educational purposes
- Develop ICT-based learning designs based on appropriate selection and use of contemporary educational technologies
- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts
- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

## Assessment tasks

- Quiz Questions
- Moodle module
- Examination

- Tutorial Tasks

## Critical, Analytical and Integrative Thinking

We want our graduates to be capable of reasoning, questioning and analysing, and to integrate and synthesise learning and knowledge from a range of sources and environments; to be able to critique constraints, assumptions and limitations; to be able to think independently and systemically in relation to scholarly activity, in the workplace, and in the world. We want them to have a level of scientific and information technology literacy.

This graduate capability is supported by:

### Learning outcomes

- Describe a range of contemporary ICTs and critically evaluate their potential for educational purposes
- Develop ICT-based learning designs based on appropriate selection and use of contemporary educational technologies
- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts
- Explain in a broad sense how ICTs impact on our social, cultural and educational lives

### Assessment tasks

- Quiz Questions
- Moodle module
- Examination
- Tutorial Tasks

## Problem Solving and Research Capability

Our graduates should be capable of researching; of analysing, and interpreting and assessing data and information in various forms; of drawing connections across fields of knowledge; and they should be able to relate their knowledge to complex situations at work or in the world, in order to diagnose and solve problems. We want them to have the confidence to take the initiative in doing so, within an awareness of their own limitations.

This graduate capability is supported by:

### Learning outcomes

- Develop ICT-based learning designs based on appropriate selection and use of contemporary educational technologies
- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in

educational contexts

## **Assessment tasks**

- Quiz Questions
- Moodle module
- Examination
- Tutorial Tasks

## **Effective Communication**

We want to develop in our students the ability to communicate and convey their views in forms effective with different audiences. We want our graduates to take with them the capability to read, listen, question, gather and evaluate information resources in a variety of formats, assess, write clearly, speak effectively, and to use visual communication and communication technologies as appropriate.

This graduate capability is supported by:

## **Learning outcomes**

- Perform basic contemporary ICT related tasks using computer software/hardware and the internet (for instance, creating accounts, searching for information, uploading files, posting data)
- Describe a range of contemporary ICTs and critically evaluate their potential for educational purposes
- Develop ICT-based learning designs based on appropriate selection and use of contemporary educational technologies
- Critically evaluate and justify technology selection and design decisions with reference to current scholarly commentary, research and theory in pedagogy regarding ICTs in educational contexts
- Explain in a broad sense how ICTs impact on our social, cultural and educational lives
- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

## **Assessment tasks**

- Quiz Questions
- Moodle module
- Examination
- Tutorial Tasks

## Engaged and Ethical Local and Global citizens

As local citizens our graduates will be aware of indigenous perspectives and of the nation's historical context. They will be engaged with the challenges of contemporary society and with knowledge and ideas. We want our graduates to have respect for diversity, to be open-minded, sensitive to others and inclusive, and to be open to other cultures and perspectives: they should have a level of cultural literacy. Our graduates should be aware of disadvantage and social justice, and be willing to participate to help create a wiser and better society.

This graduate capability is supported by:

### Learning outcomes

- Explain in a broad sense how ICTs impact on our social, cultural and educational lives
- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

### Assessment tasks

- Quiz Questions
- Moodle module
- Examination
- Tutorial Tasks

## Socially and Environmentally Active and Responsible

We want our graduates to be aware of and have respect for self and others; to be able to work with others as a leader and a team player; to have a sense of connectedness with others and country; and to have a sense of mutual obligation. Our graduates should be informed and active participants in moving society towards sustainability.

This graduate capability is supported by:

### Learning outcomes

- Explain in a broad sense how ICTs impact on our social, cultural and educational lives
- Model positive attitudes and social behaviours relating to the integration of ICTs within teaching and learning, including effective participation in groupwork processes.

### Assessment tasks

- Quiz Questions
- Moodle module
- Examination
- Tutorial Tasks

## Changes from Previous Offering

This offering of EDUC261 differs from previous iterations in the following ways:

- The content of several of the lectures and tutorials has changed to reflect recent advancements in learning technology.
- There is a required reading for the unit.

## AITSL Professional Teaching Standards

The Australian Institute for Teaching and School Leadership (AITSL) specifies Australian Professional Standards for Teachers (APST). The Australian Professional Standards for Teachers provide a common framework to describe, recognise and support the complex and varied nature of teachers' work. The standards describe what teachers need to know, understand and be able to do as well as providing direction and structure to support the preparation and development of teachers.

EDUC261 forms part of a program of study that enables students to achieve or exceed the **Graduate Teaching Standards**. The Graduate Teaching Standards are the competencies expected of a beginning teacher. The assessment tasks in EDUC261 address Graduate Teaching Standards as outlined in the following table.

Assessment Task	Graduate Teaching Standards Addressed
Task 1 - Quiz questions	3.4 Demonstrate knowledge of a range of resources, including ICT, that engage students in their learning. 4.5 Demonstrate an understanding of the relevant issues and the strategies available to support the safe, responsible and ethical use of ICT in learning and teaching.
Task 2 - Moodle Module	1.2 Demonstrate knowledge and understanding of research into how students learn and the implications for teaching. 2.6 Implement teaching strategies for using ICT to expand curriculum learning opportunities for students. 4.5 Demonstrate an understanding of the relevant issues and the strategies available to support the safe, responsible and ethical use of ICT in learning and teaching.
Task 3 - Examination	1.2 Demonstrate knowledge and understanding of research into how students learn and the implications for teaching. 4.5 Demonstrate an understanding of the relevant issues and the strategies available to support the safe, responsible and ethical use of ICT in learning and teaching.
Task 4 - Tutorial Activities	2.6 Implement teaching strategies for using ICT to expand curriculum learning opportunities for students. 3.4 Demonstrate knowledge of a range of resources, including ICT, that engage students in their learning.

The complete list of Graduate Teaching Standards are outlined below. Further information regarding the Australian Professional Standards for Teachers can be found on the Institute's website: <http://www.teacherstandards.aitsl.edu.au/> .

## AITSL's Australian Professional Standards for Teachers (Graduate)

### Professional Knowledge

#### Standard 1: Know students and how they learn

1.1	Physical, social and intellectual development and characteristics of students	Demonstrate knowledge and understanding of physical, social and intellectual development and characteristics of students and how these may affect learning.
1.2	Understand how students learn	Demonstrate knowledge and understanding of research into how students learn and the implications for teaching.
1.3	Students with diverse linguistic, cultural and socioeconomic backgrounds	Demonstrate knowledge of teaching strategies that are responsive to the learning strengths and needs of students from diverse linguistic, cultural, religious and socioeconomic backgrounds.
1.4	Strategies for teaching Aboriginal and Torres Strait Islander students	Demonstrate broad knowledge and understanding of the impact of culture, cultural identity and linguistic background on the education of students from Aboriginal and Torres Strait Islander backgrounds.
1.5	Differentiate teaching to meet specific learning needs of students across the full range of abilities	Demonstrate knowledge and understanding of strategies for differentiating teaching to meet the specific learning needs of students across the full range of abilities.
1.6	Strategies to support full participation of students with disability	Demonstrate broad knowledge and understanding of legislative requirements and teaching strategies that support participation and learning of students with disability.

#### Standard 2: Know the content and how to teach it

2.1	Content and teaching strategies of the teaching area	Demonstrate understanding of the concepts, substance and structure of the content and teaching strategies of the teaching area.
2.2	Content selection and organization	Organise content into an effective learning and teaching sequence.
2.3	Curriculum, assessment and reporting	Use curriculum, assessment and reporting knowledge to design learning sequences and lesson plans.
2.4	Understand and respect Aboriginal and Torres Strait Islander people to promote reconciliation between Indigenous	Demonstrate broad knowledge of, understanding of and respect for Aboriginal and Torres Strait Islander histories, cultures and languages.
2.5	Literacy and numeracy strategies	Know and understand literacy and numeracy teaching strategies and their application in teaching areas.
2.6	Information and communication technology (ICT)	Implement teaching strategies for using ICT to expand curriculum learning opportunities for students.

## Professional Practice

### Standard 3: Plan and Implement effective teaching and learning

3.1	Establish challenging learning goals	Set learning goals that provide achievable challenges for students of varying abilities and characteristics.
3.2	Plan, structure and sequence learning programs	Plan lesson sequences using knowledge of student learning, content and effective teaching strategies.
3.3	Use teaching strategies	Include a range of teaching strategies in teaching.
3.4	Select and use resources	Demonstrate knowledge of a range of resources, including ICT, that engage students in their learning.
3.5	Use effective classroom communication	Demonstrate a range of verbal and non-verbal communication strategies to support student engagement.
3.6	Evaluate and improve teaching programs	Demonstrate broad knowledge of strategies that can be used to evaluate teaching programs to improve student learning.
3.7	Engage parents/carers in the educative process	Describe a broad range of strategies for involving parents/carers in the educative process.

### Standard 4: Create and maintain supportive and safe learning environments

4.1	Support student participation	Identify strategies to support inclusive student participation and engagement in classroom activities.
4.2	Manage classroom activities	Demonstrate the capacity to organise classroom activities and provide clear directions.
4.3	Manage challenging behaviour	Demonstrate knowledge of practical approaches to manage challenging behaviour.
4.4	Maintain student safety	Describe strategies that support students' well-being and safety working within school and/or system, curriculum and legislative requirements.
4.5	Use ICT safely, responsibly and ethically	Demonstrate an understanding of the relevant issues and the strategies available to support the safe, responsible and ethical use of ICT in learning and teaching.

### Standard 5: Assess, provide feedback and report on student learning

5.1	Assess student learning	Demonstrate understanding of assessment strategies including, informal and formal, diagnostic, formative and summative approaches to assess student learning.
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5.2	Provide feedback to students on their learning	Demonstrate an understanding of the purpose of providing timely and appropriate feedback to students about their learning.
5.3	Make consistent and comparable judgements	Demonstrate understanding of assessment moderation and its application to support consistent and comparable judgements of student learning.
5.4	Interpret student data	Demonstrate the capacity to interpret student assessment data to evaluate student learning and modify teaching practice.
5.5	Report on student achievement	Demonstrate understanding of a range of strategies for reporting to students and parents/carers and the purpose of keeping accurate and reliable records of student achievement.

## Professional Engagement

### Standard 6: Engage in professional learning

6.1	Identify and plan professional learning needs	Demonstrate an understanding of the role of the National Professional Standards for Teachers in identifying professional learning needs.
6.2	Engage in professional learning and improve practice	Understand the relevant and appropriate sources of professional learning for teachers.
6.3	Engage with colleagues and improve practice	Seek and apply constructive feedback from supervisors and teachers to improve teaching practices.
6.4	Apply professional learning and improve student learning	Demonstrate an understanding of the rationale for continued professional learning and the implications for improved student learning.

### Standard 7: Engage professionally with colleagues, parents/carers and the community

7.1	Meet professional ethics and responsibilities	Understand and apply the key principles described in codes of ethics and conduct for the teaching profession.
7.2	Comply with legislative, administrative and organisational requirements	Understand the relevant legislative, administrative and organisational policies and processes required for teachers according to school stage.
7.3	Engage with the parents/carers	Understand strategies for working effectively, sensitively and confidentially with parents/carers.
7.4	Engage with professional teaching networks and broader communities	Understand the role of external professionals and community representatives in broadening teachers' professional knowledge and practice.