

EDU417

Literacy and Numeracy Across the Curriculum

School: School of Education and Tertiary Access

2022 | Session 8

UniSC Sunshine Coast

**BLENDED
LEARNING**

Most of your course is on campus but you may be able to do some components of this course online.

Please go to usc.edu.au for up to date information on the teaching sessions and campuses where this course is usually offered.

1. What is this course about?

1.1. Description

This course will develop your capacity to identify literacy and numeracy demands in school subjects and design learning experiences to support the development of students' literacy and numeracy capabilities. Definitions of literacy and numeracy are examined to broaden conceptualisation of these two terms as encompassing more than basic skills. You will refine your own personal literacy and numeracy skills and competencies, and consider the literacy and numeracy requirements of teachers in the 21st century.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
BLENDED LEARNING			
Learning materials – You are required to engage and interact with asynchronous materials and activities accessed through Canvas modules, course readings and required texts.	16hrs	Week 1	Once Only
Tutorial/Workshop 1 – On campus tutorial.	16hrs	Week 1	Once Only
Independent Study/Research – In addition to engaging with the learning materials and workshop sessions and completing the assessable tasks, you are required to engage in self-directed learning using the Canvas course modules and current research/reading via USC library databases and the required/recommended textbooks and resources.	10hrs	Week 1	Once Only
Seminar – On campus	2hrs	Week 1	3 times

1.3. Course Topics

- Definitions of literacy and numeracy for the 21st Century
- All teachers' responsibilities as teachers of literacy and numeracy
- Literacy and numeracy as General Capabilities in the Australian Curriculum
- The *Four Resources Model* for critical literacy
- The 21st Century Numeracy Model
- Traditional and functional grammar; genre and the writing process
- Key mathematical concepts that underpin numeracy
- Supporting the literacy and numeracy development of all learners in safe learning environments
- Interpreting numerical and visual information

2. What level is this course?

400 Level (Graduate)

Demonstrating coherence and breadth or depth of knowledge and skills. Independent application of knowledge and skills in unfamiliar contexts. Meeting professional requirements and AQF descriptors for the degree. May require pre-requisites where discipline specific introductory or developing knowledge or skills is necessary. Normally undertaken in the third or fourth full-time study year of an undergraduate program.

3. What is the unit value of this course?

12 units

4. How does this course contribute to my learning?

COURSE LEARNING OUTCOMES	GRADUATE QUALITIES MAPPING	PROFESSIONAL STANDARD MAPPING *
On successful completion of this course, you should be able to...	Completing these tasks successfully will contribute to you becoming...	Australian Institute for Teaching and School Leadership
1 Demonstrate personal literacy and numeracy skills, reflect on personal literacy and numeracy skill development and facilitate professional learning.	Knowledgeable	6.1, 6.2
2 Explain the meaning of literacy and numeracy, their place as general capabilities across all learning areas in the Australian Curriculum and the role of all teachers as teachers of literacy and numeracy.	Empowered	2.1, 2.3
3 Explain a range of theoretical and practical approaches, including the Four Resources Model and 21st Century Numeracy Model, to assist the development of literacy and numeracy.	Knowledgeable Creative and critical thinker	2.1, 2.2, 2.3, 2.5
4 Apply knowledge and understanding of curriculum and pedagogy to select/design teaching strategies and learning materials that promote the development of literacy and numeracy in specific learning areas.	Knowledgeable Empowered	1.2, 2.1, 2.3, 2.5, 2.6
5 Analyse learning materials that ethically support students acquiring competence in literacy and numeracy, whilst considering social justice and inclusion for all, using the the 4 Resources Model and 21st Century Numeracy Model.	Creative and critical thinker	1.2, 2.1, 2.3, 2.4, 2.5, 2.6
6 Communicate in written texts using academic literacy skills including English expression, grammar, spelling, punctuation and APA referencing conventions.	Knowledgeable	6.2

* Competencies by Professional Body

CODE	COMPETENCY
AUSTRALIAN INSTITUTE FOR TEACHING AND SCHOOL LEADERSHIP	
1.2	Understand how students learn: Demonstrate knowledge and understanding of research into how students learn and the implications for teaching.
2.1	Content and teaching strategies of the teaching area: Demonstrate knowledge and understanding of the concepts, substance and structure of the content and teaching strategies of the teaching area

CODE	COMPETENCY
2.2	Content selection and organisation: 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 and non-Indigenous Australians: 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.
6.1	Identify and plan professional learning needs: Demonstrate an understanding of the role of the Australian 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

5. Am I eligible to enrol in this course?

Refer to the [UniSC Glossary of terms](#) for definitions of “pre-requisites, co-requisites and anti-requisites”.

5.1. Pre-requisites

Enrolled in Program AE304, ED315 or SE303

5.2. Co-requisites

Not applicable

5.3. Anti-requisites

EDU211 or EDU221

5.4. Specific assumed prior knowledge and skills (where applicable)

Not applicable

6. How am I going to be assessed?

6.1. Grading Scale

Standard Grading (GRD)

High Distinction (HD), Distinction (DN), Credit (CR), Pass (PS), Fail (FL).

6.2. Details of early feedback on progress

Students will receive formative feedback on the literacy and numeracy skills they demonstrated in the Task 1.

6.3. Assessment tasks

DELIVERY MODE	TASK NO.	ASSESSMENT PRODUCT	INDIVIDUAL OR GROUP	WEIGHTING %	WHAT IS THE DURATION / LENGTH?	WHEN SHOULD I SUBMIT?	WHERE SHOULD I SUBMIT IT?
All	1	Quiz/zes	Individual	0%	2 x 45 minute quizzes Part A: Numeracy Part B: Literacy	Week 1	Online Assignment Submission with plagiarism check
All	2	Artefact - Professional	Group	30%	1500 words	Week 3	Online Assignment Submission with plagiarism check
All	3	Written Piece	Individual	40%	1800 words	Week 5	Online Assignment Submission with plagiarism check
All	4	Quiz/zes	Individual	30%	Part A: Numeracy (45 minutes) Part B: Literacy (45 minutes)	Week 2	Online Test (Quiz)

All - Assessment Task 1: Personal Literacy and Numeracy Quiz

GOAL:	The goal of this task is to demonstrate your personal literacy and numeracy capabilities as required for teaching					
PRODUCT:	Quiz/zes					
FORMAT:	Part A: Numeracy A multiple choice and short answer personal numeracy quiz. Part B: Literacy A multiple choice and short answer quiz on key spelling and grammar conventions; and including a short, written reflection of personal literacy and numeracy areas of strength and weakness, and a plan for developing graduate level personal literacy and numeracy skills, competence and confidence.					
CRITERIA:	No. 1 Demonstration of personal literacy and numeracy.					Learning Outcome assessed 1
GENERIC SKILLS:						

All - Assessment Task 2: Rich investigative task.

GOAL:	The goal of this task is to engage and collaborate with colleagues to facilitate professional learning. You will apply critical reflections on this experience to your future professional practice, particularly in relation to the responsibility of all teachers to be teachers of literacy and numeracy.		
PRODUCT:	Artefact - Professional		
FORMAT:	<p>This task gives you the opportunity to work with 2-4 colleagues to create a rich investigative task for developing conceptual understanding of a topic in your specialist teaching area that also is designed to promote your students' numeracy capabilities. The task should be authentic and linked to the Year 7 to 10 Australian Curriculum. The task will be designed to engage your students in critical and creative thinking and problem-solving as well as collaborative group work. The task will be a group task for your students.</p> <p>Task Sheet (1-2 pages)</p> <p>The task sheet will be self-explanatory and be able to be implemented in the class of your choice.</p> <p>Reflective essay (1500 words)</p> <p>The Reflective Essay provides the rationale for the task. This should include:</p> <p>A discussion of the definitions of numeracy and the implications for teaching</p> <p>An explanation of the teachers' role in developing students' numeracy capabilities</p> <p>An analysis of the task in relation to how the task conceptual understanding in the target learning area and promotes students' numeracy capabilities in relation to all dimensions of the 21st Century Numeracy Model.</p> <p>Submission</p> <p>Cover sheet: Name, Student ID, Name of task, & word count for reflective essay.</p> <p>Reflective Essay (followed by references on a new page)</p> <p>Appendix A: Your rich investigative task.</p> <p>Note: Use 12 point Times New Roman and double line spacing.</p>		
CRITERIA:	No.		Learning Outcome assessed
	1	Explanation the meaning of numeracy, its place as a general capability across all learning areas in the Australian Curriculum and the role of all teachers as teachers of numeracy.	2
	2	Explanation a range of theoretical and practical approaches, including the 21st Century Numeracy Model, to assist the development of numeracy in specific learning areas.	3
	3	Application of knowledge and understanding of curriculum and pedagogy to the design of a rich investigative task that promotes the development of numeracy.	4
	4	Analysis of a rich investigative task that promotes students' numeracy capabilities using the 21st Century Numeracy Model.	5
	5	Communication in written texts using academic literacy skills including English expression, grammar, spelling, punctuation and APA referencing conventions	6
GENERIC SKILLS:			

All - Assessment Task 3: Text Analysis based on the Four Resources Model

GOAL:	To apply the Four Resources Model to a text from one of your teaching areas and identify how you as the teacher would develop learning experiences to support a specific group of secondary school learners.																
PRODUCT:	Written Piece																
FORMAT:	A critical analysis of a text of your choice and a discussion of the repertoires of practice needed to understand, deconstruct and interact with that text effectively using Luke and Freebody's Four Resources Model for a specific group of learners. Include in your analysis how the model applies to one of the following groups of learners: Aboriginal and Torres Strait Islander students, other learners with English as an additional language or dialect, or students with literacy learning difficulties. Texts relevant to your teaching areas will be suggested on Canvas. Submission Cover sheet: Name, Student ID, Name of task, & word count for text analysis. Text analysis (followed by references on a new page) Note: Use 12 point Times New Roman and double line spacing.																
CRITERIA:	<table><thead><tr><th>No.</th><th></th><th>Learning Outcome assessed</th></tr></thead><tbody><tr><td>1</td><td>Knowledge and understanding of the Four Resources Model.</td><td>3</td></tr><tr><td>2</td><td>Appropriate choice of teaching strategies to align with the teaching content and the selected learners</td><td>4</td></tr><tr><td>3</td><td>Analysis of chosen text using the theory underpinning the Four Resources Model</td><td>5</td></tr><tr><td>4</td><td>Communication in written texts using academic literacy skills including English Expression, grammar, spelling, punctuation and APA referencing conventions</td><td>6</td></tr></tbody></table>	No.		Learning Outcome assessed	1	Knowledge and understanding of the Four Resources Model.	3	2	Appropriate choice of teaching strategies to align with the teaching content and the selected learners	4	3	Analysis of chosen text using the theory underpinning the Four Resources Model	5	4	Communication in written texts using academic literacy skills including English Expression, grammar, spelling, punctuation and APA referencing conventions	6	
No.		Learning Outcome assessed															
1	Knowledge and understanding of the Four Resources Model.	3															
2	Appropriate choice of teaching strategies to align with the teaching content and the selected learners	4															
3	Analysis of chosen text using the theory underpinning the Four Resources Model	5															
4	Communication in written texts using academic literacy skills including English Expression, grammar, spelling, punctuation and APA referencing conventions	6															
GENERIC SKILLS:																	

All - Assessment Task 4: Online quiz literacy and numeracy

GOAL:	The goal of this task is to evidence your knowledge of literacy and numeracy across the curriculum.													
PRODUCT:	Quiz/zes													
FORMAT:	Part A: Numeracy An online quiz on key topics and content from course material and tutorial activities explored throughout the semester. Part B: Literacy An online quiz on key topics and content from course material and tutorial activities explored throughout the semester.													
CRITERIA:	<table><thead><tr><th>No.</th><th></th><th>Learning Outcome assessed</th></tr></thead><tbody><tr><td>1</td><td>Demonstration of personal literacy and numeracy.</td><td>1</td></tr><tr><td>2</td><td>Explanation of the meaning of numeracy, it's place as a general capability across all learning areas in the Australian Curriculum and the role of all teachers as teachers of numeracy.</td><td>2</td></tr><tr><td>3</td><td>Explanation a range of theoretical and practical approaches, including the 21st Century Numeracy Model, to assist the development of numeracy across the curriculum.</td><td>3</td></tr></tbody></table>	No.		Learning Outcome assessed	1	Demonstration of personal literacy and numeracy.	1	2	Explanation of the meaning of numeracy, it's place as a general capability across all learning areas in the Australian Curriculum and the role of all teachers as teachers of numeracy.	2	3	Explanation a range of theoretical and practical approaches, including the 21st Century Numeracy Model, to assist the development of numeracy across the curriculum.	3	
No.		Learning Outcome assessed												
1	Demonstration of personal literacy and numeracy.	1												
2	Explanation of the meaning of numeracy, it's place as a general capability across all learning areas in the Australian Curriculum and the role of all teachers as teachers of numeracy.	2												
3	Explanation a range of theoretical and practical approaches, including the 21st Century Numeracy Model, to assist the development of numeracy across the curriculum.	3												
GENERIC SKILLS:														

7. Directed study hours

A 12-unit course will have total of 150 learning hours which will include directed study hours (including online if required), self-directed learning and completion of assessable tasks. Student workload is calculated at 12.5 learning hours per one unit.

8. What resources do I need to undertake this course?

Please note: Course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Canvas site– Please log in as soon as possible.

8.1. Prescribed text(s) or course reader

Please note that you need to have regular access to the resource(s) listed below. Resources may be required or recommended.

REQUIRED?	AUTHOR	YEAR	TITLE	EDITION	PUBLISHER
Required	Merrilyn Goos,Vince Geiger,Shelley Dole,Helen Forgasz	2018	Numeracy Across the Curriculum	n/a	A&u Academic

8.2. Specific requirements

Not Applicable

9. How are risks managed in this course?

Health and safety risks for this course have been assessed as low. It is your responsibility to review course material, search online, discuss with lecturers and peers and understand the health and safety risks associated with your specific course of study and to familiarise yourself with the University's general health and safety principles by reviewing the [online induction training for students](#), and following the instructions of the University staff.

10. What administrative information is relevant to this course?

10.1. Assessment: Academic Integrity

Academic integrity is the ethical standard of university participation. It ensures that students graduate as a result of proving they are competent in their discipline. This is integral in maintaining the value of academic qualifications. Each industry has expectations and standards of the skills and knowledge within that discipline and these are reflected in assessment.

Academic integrity means that you do not engage in any activity that is considered to be academic fraud; including plagiarism, collusion or outsourcing any part of any assessment item to any other person. You are expected to be honest and ethical by completing all work yourself and indicating in your work which ideas and information were developed by you and which were taken from others. You cannot provide your assessment work to others. You are also expected to provide evidence of wide and critical reading, usually by using appropriate academic references.

In order to minimise incidents of academic fraud, this course may require that some of its assessment tasks, when submitted to Canvas, are electronically checked through Turnitin. This software allows for text comparisons to be made between your submitted assessment item and all other work to which Turnitin has access.

10.2. Assessment: Additional Requirements

Eligibility for Supplementary Assessment

Your eligibility for supplementary assessment in a course is dependent of the following conditions applying:

The final mark is in the percentage range 47% to 49.4%

The course is graded using the Standard Grading scale

You have not failed an assessment task in the course due to academic misconduct

10.3. Assessment: Submission penalties

Late submission of assessment tasks may be penalised at the following maximum rate:

- 5% (of the assessment task's identified value) per day for the first two days from the date identified as the due date for the assessment task.

- 10% (of the assessment task's identified value) for the third day - 20% (of the assessment task's identified value) for the fourth day and subsequent days up to and including seven days from the date identified as the due date for the assessment task.

- A result of zero is awarded for an assessment task submitted after seven days from the date identified as the due date for the assessment task. Weekdays and weekends are included in the calculation of days late. To request an extension you must contact your course coordinator to negotiate an outcome.

10.4. SafeUniSC

UniSC is committed to a culture of respect and providing a safe and supportive environment for all members of our community. For immediate assistance on campus contact SafeUniSC by phone: [07 5430 1168](tel:0754301168) or using the [SafeZone](#) app. For general enquires contact the SafeUniSC team by phone [07 5456 3864](tel:0754563864) or email safe@usc.edu.au.

The SafeUniSC Specialist Service is a Student Wellbeing service that provides free and confidential support to students who may have experienced or observed behaviour that could cause fear, offence or trauma. To contact the service call [07 5430 1226](tel:0754301226) or email studentwellbeing@usc.edu.au.

10.5. Study help

For help with course-specific advice, for example what information to include in your assessment, you should first contact your tutor, then your course coordinator, if needed.

If you require additional assistance, the Learning Advisers are trained professionals who are ready to help you develop a wide range of academic skills. Visit the [Learning Advisers](#) web page for more information, or contact Student Central for further assistance: +61 7 5430 2890 or studentcentral@usc.edu.au.

10.6. Wellbeing Services

Student Wellbeing provide free and confidential counselling on a wide range of personal, academic, social and psychological matters, to foster positive mental health and wellbeing for your academic success.

To book a confidential appointment go to [Student Hub](#), email studentwellbeing@usc.edu.au or call 07 5430 1226.

10.7. AccessAbility Services

Ability Advisers ensure equal access to all aspects of university life. If your studies are affected by a disability, learning disorder mental health issue, injury or illness, or you are a primary carer for someone with a disability or who is considered frail and aged, [AccessAbility Services](#) can provide access to appropriate reasonable adjustments and practical advice about the support and facilities available to you throughout the University.

To book a confidential appointment go to [Student Hub](#), email AccessAbility@usc.edu.au or call 07 5430 2890.

10.8. Links to relevant University policy and procedures

For more information on Academic Learning & Teaching categories including:

- Assessment: Courses and Coursework Programs
- Review of Assessment and Final Grades
- Supplementary Assessment
- Central Examinations
- Deferred Examinations
- Student Conduct
- Students with a Disability

For more information, visit <https://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching>

10.9. Student Charter

UniSC is committed to excellence in teaching, research and engagement in an environment that is inclusive, inspiring, safe and respectful. The [Student Charter](#) sets out what students can expect from the University, and what in turn is expected of students, to achieve these outcomes.

10.10. General Enquiries

In person:

- **UniSC Sunshine Coast** - Student Central, Ground Floor, Building C, 90 Sippy Downs Drive, Sippy Downs
- **UniSC Moreton Bay** - Service Centre, Ground Floor, Foundation Building, Gympie Road, Petrie
- **UniSC SouthBank** - Student Central, Building A4 (SW1), 52 Merivale Street, South Brisbane
- **UniSC Gympie** - Student Central, 71 Cartwright Road, Gympie
- **UniSC Fraser Coast** - Student Central, Student Central, Building A, 161 Old Maryborough Rd, Hervey Bay
- **UniSC Caboolture** - Student Central, Level 1 Building J, Cnr Manley and Tallon Street, Caboolture

Tel: +61 7 5430 2890

Email: studentcentral@usc.edu.au