

ICT700 Systems Analysis

School: School of Science, Technology and Engineering

2026 Semester 1

UniSC Southbank

**BLENDED
LEARNING**

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

Online

ONLINE

You can do this course without coming onto campus, unless your program has specified a mandatory onsite requirement.

Please go to unisc.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 introduces you to a range of concepts used in the analysis and design of complex information systems. You will gain practical skills and understanding of modelling systems from the object perspective as well as an understanding of the approaches that can be used when undertaking an agile approach to a project. Deciding whether to custom build or buy software as well as software deployment approaches are included.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
BLENDED LEARNING			
Lecture	1hr	Not applicable	Not Yet Determined
Tutorial/Workshop 1	2hrs	Not applicable	Not Yet Determined
ONLINE			
Online – Pre-recorded concept videos and associated activity	1hr	Not applicable	12 times
Tutorial/Workshop 1 – Interactive zoom tutorial	2hrs	Not applicable	11 times

1.3. Course Topics

Week	Topic
1	Introduction to Systems Development and the Role of the Systems Analyst
2	The Traditional Approach to Requirements
3	Investigating System Requirements
4	Identifying User Stories and Use Cases
5	Domain Modelling
6	Use Case Modelling
7	Foundations for Systems Design and Defining the System Architecture
8	Designing the User Interface
9	Approaches to System Development and Project Management
10	Object Orientated Design: Fundamentals
11	Object Orientated Design: Use Case Realization
12	Deploying the New System

2. What level is this course?

700 Level (Specialised)

Demonstrating a specialised body of knowledge and set of skills for professional practice or further learning. Advanced application of knowledge and skills in unfamiliar contexts.

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
On successful completion of this course, you should be able to...	Completing these tasks successfully will contribute to you becoming...
1 Understand and justify the selection of the most appropriate system development approach for the project.	Knowledgeable Creative and critical thinker
2 Evaluate object oriented approaches in advanced system analysis and design in a business context.	Creative and critical thinker Engaged
3 Communicate the choice and use of systems analysis and design in a professional and business context.	Empowered Engaged
4 Design UML models for systems using object oriented approaches in a business context.	Creative and critical thinker Engaged

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

Must be enrolled in a postgraduate program.

5.2. Co-requisites

Not applicable

5.3. Anti-requisites

Not applicable

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

Not applicable

5.5. Microcredential Information

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

Weekly practice tests will be made available on Blackboard for formative feedback.

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	Examination - not Centrally Scheduled	Individual	20%	50 minutes	Week 5	Online Test (Quiz)
All	2	Examination - not Centrally Scheduled	Individual	45%	2 hours	Week 8	Online Test (Quiz)
All	3	Report	Individual	35%	2,000 words	Week 11	Online Assignment Submission with plagiarism check

All - Assessment Task 1: Mid-semester examination

GOAL:	To demonstrate knowledge and technical skills in system analysis and design using object-oriented approaches.		
PRODUCT:	Examination - not Centrally Scheduled		
AUTHORSHIP STATEMENT:			
FORMAT:	A 50-minute examination comprising questions from the information obtained during workshop activities, lecture material and any additional readings.		
CRITERIA:	No.		Learning Outcome assessed
	1	Application of knowledge of systems analysis and design	1
	2	Use of advanced object-oriented approaches	1 2
GENERIC SKILLS:			

All - Assessment Task 2: Examination

GOAL:	To demonstrate knowledge of the systems analysis and design concepts		
PRODUCT:	Examination - not Centrally Scheduled		
AUTHORSHIP STATEMENT:			
FORMAT:	A two (2) hour exam. The exam questions will be based on workshop activities, lectures and readings specified during the lecture series.		
CRITERIA:	No.		Learning Outcome assessed
	1	Demonstration of knowledge of the systems analysis and design concepts.	①
	2	Evaluation of the chosen approach(s) for the given case	②
GENERIC SKILLS:			

All - Assessment Task 3: Written report

GOAL:	To demonstrate knowledge of Systems Analysis and Design concepts and ability to draw UML models from a case study.		
PRODUCT:	Report		
AUTHORSHIP STATEMENT:			
FORMAT:	You are required to write a report that includes an outline of systems requirements for an information systems solution to a business case study. This report will discuss methodologies and include models of the solution using unified modelling language.		
CRITERIA:	No.		Learning Outcome assessed
	1	Analysis of a business case study	① ②
	2	Communication of technical information in a clear and cohesive report	③
	3	Advanced systems analysis and design using appropriate models	④
	4	Justification of the recommendations based on the requirements for business system solution	②
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

You need regular access to the resource(s) below. Many texts are available as ebooks through the [Library](#) at no additional cost.

REQUIRED?	AUTHOR	YEAR	TITLE	EDITION	PUBLISHER
Required	Satzinger, JW, Jackson, RB & Burd SD	2016	Systems Analysis and Design: in a changing world	7th edn	Cengage Learning

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. 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>

10.5. 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.

10.6. 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

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