

Course Outline

Code: ICT700 Title: Systems Analysis

School:	Business
Teaching Session:	Semester 2
Year:	2019
Course Coordinator:	Dr Sherrill Cooper
Course Moderator:	Dr Keyvan Ansari

Please go to the USC website 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 Field trips, WIL placements or activities required by professional accreditation

N/A

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?

Specific Learning Outcomes On successful completion of this course, you should be able to:	Assessment tasks You will be assessed on the learning outcomes in task/s:	Graduate Qualities or Professional Standards mapping Completing these tasks successfully will contribute to:
Test, analyse and justify the selection of the most appropriate system development approach for the project.	2 and 3	Career adaptive (Knowledgeable) Creative and critical thinking
Demonstrate advanced system analysis and design using object oriented approaches.	1, 2 and 3	Career adaptive (Knowledgeable, Engaged).
Communicate a clear, coherent and independent explanation of systems analysis and design	2	Communication (Empowered)

5. Am I eligible to enrol in this course?

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

5.1 Enrolment restrictions

Must be enrolled in a postgraduate program.

5.2 Pre-requisites

Nil

5.3 Co-requisites

Nil

5.4 Anti-requisites

Nil

5.5 Specific assumed prior knowledge and skills (where applicable)

N/A

6. How am I going to be assessed?

6.1 Grading scale

Standard – 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

Task No.	Assessment Product	Individual or Group	Weighting %	What is the duration / length?	When should I submit?	Where should I submit it?
1	Examination	Individual	15%	50 minutes	Week 5 Computer Workshop	In Class
2	Examination	Individual	50%	2 hours	Week 10	In Class
3	Report	Individual	35%	2,000 words	Week 13	Online Assignment Submission with Plagiarism check
			100%			

Assessment 1: Mid-semester examination

Goal:	The purpose of this task is for you to demonstrate your knowledge and technical skills in system analysis and design using object oriented approaches.
Product:	Examination
Format:	A 50-minute closed book examination held in Week 5, comprising questions from the information obtained during workshop activities, lecture material and additional readings specified by the Course Coordinator.
Criteria:	The criteria that will be assessed for this task are: <ul style="list-style-type: none"> • Knowledge of systems analysis and design • Use of advanced object oriented approaches • Application of knowledge from workshops/ lectures and readings

Assessment Task 2: Examination

Goal:	The purpose of this task is to demonstrate your knowledge of the systems analysis and design concepts covered in the course.
Product:	Examination
Format:	A two (2) hour exam will be conducted in week 10. A time and place to be announced by the course coordinator.
Criteria:	Your responses on the exam questions will be assessed on the basis of your demonstration of knowledge from the workshop activities, lectures and readings specified during the lecture series.

Assessment Task 3: Written report

Goal:	You will demonstrate your knowledge of Systems Analysis and Design concepts and your ability to draw UML models from a case study.
Product:	Report
Format:	You are 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:	The criteria that will be assessed for this task are: <ul style="list-style-type: none"> • Analysis of a business case study • Communication of clear technical information • Advanced systems analysis and design • Communication of a clear cohesive report • Information on the systems requirements for business system solution

7. Directed study hours

The directed study hours listed here are a portion of the workload for this course. 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. Directed study hours may vary by location. Student workload is calculated at 12.5 learning hours per one unit.

Location:	Directed study hours for location:
oncampus	Lecture (1 hour) Computer workshop (2 hours)

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

Please note that course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Blackboard 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 as they are required:

Author	Year	Title	Publisher
Satzinger, JW, Jackson, RB & Burd SD	2016, 7 th edn	<i>Systems Analysis and Design: in a changing world</i>	Cengage Learning

8.2 Specific requirements

Nil

9. How are risks managed in this course?

Health and safety risks for this course have been assessed as low.

It is your responsibility as a student 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. It is also your responsibility to familiarise yourself with the University's general health and safety principles by reviewing the [online Health Safety and Wellbeing training module 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 Blackboard, are electronically checked through SafeAssign. This software allows for text comparisons to be made between your submitted assessment item and all other work that SafeAssign has access to.

10.2 Assessment: Additional requirements

Eligibility for Supplementary Assessment

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

- a) The final mark is in the percentage range 47% to 49.4%
- b) The course is graded using the Standard Grading scale
- c) You have not failed an assessment task in the course due to academic misconduct

10.3 Assessment: Submission penalties

Late submission of assessment tasks will 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 and supply the required documentation to negotiate an outcome.

10.4 Study help

In the first instance, you should contact your tutor, then the Course Coordinator. Additional assistance is provided to all students through Academic Skills Advisers. To book an appointment or find a drop-in session go to [Student Hub](#).

Contact Student Central for further assistance: +61 7 5430 2890 or studentcentral@usc.edu.au

10.5 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
- Administration of Central Examinations
- Deferred Examinations
- Student Academic Misconduct
- Students with a Disability

Visit the USC website:

<http://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching>

10.6 General Enquiries

In person:

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

Tel: +61 7 5430 2890

Email: studentcentral@usc.edu.au

Appendix 1 Course content

Week # / Module #	What key concepts/content will I learn?	Directed Study Activities: teaching components
1	Introduction to Systems Development and the Role of the Systems Analyst	Lecture Computer workshop
2	The Traditional Approach to Requirements	Lecture Computer workshop
3	Investigating System Requirements	Lecture Computer workshop
4	Identifying User Stories and Use Cases	Lecture Computer workshop
5	Domain Modelling	Lecture Computer workshop
6	Use Case Modelling	Lecture Computer workshop
7	Foundations for Systems Design and Defining the System Architecture	Lecture Computer workshop
8	Designing the User Interface	Lecture Computer workshop
9	Approaches to System Development and Project Management	Lecture Computer workshop
10	Object Orientated Design: Fundamentals	Lecture Computer workshop
11	Object Orientated Design: Use Case Realization	Lecture Computer workshop
12	Deploying the New System	Lecture Computer workshop
13	Current Trends in System Development and Review	Lecture

Please note that the course activities may be subject to variation.

Mid Semester Break:

30th September 2019-6th October 2019 (Between Week 10 and Week 11)

Public Holidays

Queen's Birthday- Monday 7th October (Week11)