

# ICT701 Managing Data

School: School of Science, Technology and Engineering

2025 | Trimester 1

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.

Online

**ONLINE**

You can do this course without coming onto campus.

*Please go to [usc.edu.au](http://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

Data is considered the most valuable resource in the world. The demand for accurate and up-to-date data is vital to business success. This course will provide you with skills and knowledge on how to organise and manage data in the new "data economy". With a focus on data management, data curation, metadata, and issues of data preservation and access, by taking this course, you will walk away with one of the most valuable skills needed in businesses today.

### 1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
<b>BLENDED LEARNING</b>			
<b>Learning materials</b> – Asynchronous Learning material	2hrs	Week 1	12 times
<b>Tutorial/Workshop 1</b> – Synchronous on campus workshop	2hrs	Week 1	12 times
<b>Seminar</b> – On campus seminar	1hr	Week 1	2 times
<b>ONLINE</b>			
<b>Learning materials</b> – Asynchronous Learning material	2hrs	Week 1	12 times
<b>Tutorial/Workshop 1</b> – Synchronous Zoom workshop	2hrs	Week 1	12 times
<b>Seminar</b> – Online seminar	1hr	Week 1	2 times

### 1.3. Course Topics

- Importance of managing data
- Data management challenges & principles
- Data ethics
- Data governance
- Data lifecycle management
- Enabling, maintaining and using data
- Data protection, privacy and security
- Metadata
- Data quality management
- Future of data
- Working with SQL

## 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 Explain and describe relevant professional and specialised policies and frameworks used for data within a business context.	Knowledgeable Creative and critical thinker
2 Analyse and formulate solutions to real world business cases using skills in data management	Knowledgeable Creative and critical thinker Engaged
3 Evaluate business data using complex skills in data interrogation	Creative and critical thinker Engaged
4 Apply professional written and digital communication skills in a business context	Creative and critical thinker Empowered

## 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

## 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

Formative feedback will be given each week starting from week 1 through the weekly exercises. This will provide early feedback before Task 1 is due.

### 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	10%	1 hour	Week 4	Online Test (Quiz)
All	2	Written Piece	Individual	55%	1500 words	Week 9	Online Assignment Submission with plagiarism check
All	3	Examination - not Centrally Scheduled	Individual	35%	2 hours	Week 12	Online Test (Quiz)

#### All - Assessment Task 1: Early Skills Test

<b>GOAL:</b>	Interrogate scenarios and produce solutions to given questions around managing data										
<b>PRODUCT:</b>	Quiz/zes										
<b>FORMAT:</b>	1 hour online exam										
<b>CRITERIA:</b>	<table border="1"> <thead> <tr> <th>No.</th> <th></th> <th>Learning Outcome assessed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Analysis of problem and identification of requirements</td> <td>2</td> </tr> <tr> <td>2</td> <td>Application of specialised tools to interrogate data</td> <td>2 3</td> </tr> </tbody> </table>	No.		Learning Outcome assessed	1	Analysis of problem and identification of requirements	2	2	Application of specialised tools to interrogate data	2 3	
No.		Learning Outcome assessed									
1	Analysis of problem and identification of requirements	2									
2	Application of specialised tools to interrogate data	2 3									
<b>GENERIC SKILLS:</b>											

#### All - Assessment Task 2: Data Report

<b>GOAL:</b>	Recommend and justify a specialised data focused policy or procedure for a business scenario.																
<b>PRODUCT:</b>	Written Piece																
<b>FORMAT:</b>	You are required to investigate a given business case and recommend and justify a data policy or procedure																
<b>CRITERIA:</b>	<table border="1"> <thead> <tr> <th>No.</th> <th></th> <th>Learning Outcome assessed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Insightful analysis of the given problem</td> <td>2</td> </tr> <tr> <td>2</td> <td>Evaluate current use of data policies and procedures in the given business</td> <td>1 2</td> </tr> <tr> <td>3</td> <td>Justification of a recommended policy/procedure using relevant theoretical frameworks and governance data policies methodologies, conclusions and professional decisions</td> <td>1 2</td> </tr> <tr> <td>4</td> <td>Professional and effective written communication</td> <td>4</td> </tr> </tbody> </table>	No.		Learning Outcome assessed	1	Insightful analysis of the given problem	2	2	Evaluate current use of data policies and procedures in the given business	1 2	3	Justification of a recommended policy/procedure using relevant theoretical frameworks and governance data policies methodologies, conclusions and professional decisions	1 2	4	Professional and effective written communication	4	
No.		Learning Outcome assessed															
1	Insightful analysis of the given problem	2															
2	Evaluate current use of data policies and procedures in the given business	1 2															
3	Justification of a recommended policy/procedure using relevant theoretical frameworks and governance data policies methodologies, conclusions and professional decisions	1 2															
4	Professional and effective written communication	4															
<b>GENERIC SKILLS:</b>																	

### All - Assessment Task 3: Practical skills test

<b>GOAL:</b>	Develop solutions to given problems using data management skills.		
<b>PRODUCT:</b>	Examination - not Centrally Scheduled		
<b>FORMAT:</b>	2 hour online exam		
<b>CRITERIA:</b>	<b>No.</b>		<b>Learning Outcome assessed</b>
	1	Devising solutions for problems using data management skills	2
	2	Evaluation of data through data manipulation	3
<b>GENERIC SKILLS:</b>			

## 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	Laura Sebastian-Coleman	2018	Navigating the Labyrinth	n/a	Technics Publications

### 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:

- (a) The final mark is in the percentage range 47% to 49.4%; and
- (b) The course is graded using the Standard Grading scale

## 10.3. Assessment: Submission penalties

Late submissions may be penalised up to and including the following maximum percentage of the assessment task's identified value, with weekdays and weekends included in the calculation of days late:

- (a) One day: deduct 5%;
- (b) Two days: deduct 10%;
- (c) Three days: deduct 20%;
- (d) Four days: deduct 40%;
- (e) Five days: deduct 60%;
- (f) Six days: deduct 80%;
- (g) Seven days: A result of zero is awarded for the assessment task.

The following penalties will apply for a late submission for an online examination:

Less than 15 minutes: No penalty

From 15 minutes to 30 minutes: 20% penalty

More than 30 minutes: 100% penalty

## 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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto:studentcentral@usc.edu.au)