

Profile information current as at 04/05/2024 01:38 pm

All details in this unit profile for ENAG11009 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

In this unit, students will learn the fundamentals of engineering drawing. They will produce freehand sketches and CAD drawings using orthographic projection conventions and sectioning conventions complying with Australian Standards. Students will develop skills in 3D solid modelling and rendering as well as produce detail drawings and assembly drawings. They will demonstrate an effective, professional level of communication and support peer group learning.

Details

Career Level: Undergraduate Unit Level: Level 1 Credit Points: 6 Student Contribution Band: 8 Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

There are no requisites for this unit.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the <u>Assessment Policy and</u> <u>Procedure (Higher Education Coursework)</u>.

Offerings For Term 1 - 2017

• Distance

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

Regional Campuses Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

Metropolitan Campuses Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

 Written Assessment Weighting: Pass/Fail
 Written Assessment Weighting: 30%
 Written Assessment Weighting: 30%
 Written Assessment Weighting: 40%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the <u>University's Grades and Results Policy</u> for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the <u>CQUniversity Policy site</u>.

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the <u>CQUniversity Policy site</u>.

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Have your say survey

Feedback

Online tutorials were of benefit to students

Recommendation

Increase the number of Online tutorials to enable students to ask questions and be shown the answer.

Action

Fourteen, two hour online tutorials were conducted by casual staff during the term.

Feedback from Have your say survey

Feedback

Too many folio exercises

Recommendation

Review the Pass/Fail requirement of the folio exercises and possibly allow students to choose how many folio activities they do. However specific help on Assignment tasks will not be given as the assignments are meant to be done solely by each individual student without help from staff or other students.

Action

The number or folio activities were reviewed and reduced slightly, inline with the hours expected students are required to spend on a 6CP unit.

Feedback from Have your say survey

Feedback

Course videos were good and showed step by step instructions.

Recommendation

Review the current online videos and add more where needed.

Action

Completely reviewed all videos prior to the term and employed casual staff to add/fix over ten, 30min videos.

Feedback from Have your say survey

Feedback

Assessment items were returned late

Recommendation

Staff will monitor and ensure the timely return of feedback to students for future offerings.

Action

Coordinator helped teaching staff with marking.

Unit Learning Outcomes

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

- 1. Produce freehand sketches to visually define engineering artefacts
- 2. Develop and interpret drawings that use orthographic projection conventions and sectioning conventions complying with AS1100 Drawing Standards
- 3. Scale, layout, draw and dimension engineering CAD drawings to provide sufficient information to manufacture artefacts
- 4. Draw and interpret 2D and 3D drawings using surface modelling, 3D solid modelling and rendering with CAD software
- 5. Produce component detail drawings and assembly drawings including parts lists for engineering artefacts to AS1100 standards
- 6. Demonstrate an effective, professional level of communication and support collaborative peer group learning

This unit assists students to develop the Engineers Australia Stage 1 Competencies for Engineering Associates. Knowledge and Skill Base: Learning Outcomes 1, 2, 3, 4 and 5 assist development of Elements 1.2 and 1.3. Engineering Application Ability: Learning Outcomes 1, 2, 3, 4 and 5 assist development of Elements 2.1 and 2.2. Professional and Personal Attributes: Learning Outcome 6 assists development of Elements 3.1, 3.2, 3.4, 3.5 and 3.6

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Written Assessment - 0%	٠	•	•	•	•	•
2 - Written Assessment - 30%	•	•				•
3 - Written Assessment - 30%		•	•			•
4 - Written Assessment - 40%			•	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Communication	•	•	•	•	•	•
2 - Problem Solving	•	•	•	•	•	
3 - Critical Thinking		•		•	•	
4 - Information Literacy		•			•	
5 - Team Work						•

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
6 - Information Technology Competence			•	•	•	•
7 - Cross Cultural Competence						
8 - Ethical practice						•
9 - Social Innovation						
10 - Aboriginal and Torres Strait Islander Cultures						

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Gra	duat	e Att	ribut	es					
	1	2	3	4	5	6	7	8	9	10
1 - Written Assessment - 0%	•	•	•	•	•	•		•		
2 - Written Assessment - 30%	•	•	•	•				•		
3 - Written Assessment - 30%	•	•	•	•		•		•		
4 - Written Assessment - 40%	•	•	•	•		•		•		

Textbooks and Resources

Textbooks

ENAG11009

Prescribed

Engineering Graphics with AutoCAD 2017

(2017) Authors: Bethune, J Pearson Upper Saddle River , NJ , USA ISBN: 9780134506968 Binding: Paperback

Additional Textbook Information

An ebook version of this text can purchased directly at the Pearson website: www.pearson.com.au. The ISBN is 9780134507583.

However, if a print version is preferred, please order at least 4 weeks before term to ensure availability. Copies can be purchased through the CQUni Bookshop here: <u>http://bookshop.cqu.edu.au</u>

View textbooks at the CQUniversity Bookshop

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- A4 digital scanner To allow online submission of freehand sketching assessments
- AutoCAD Software. A free student edition is available to download from
 www.autodesk.com/education/free-software/autocad. You will need to register/'create an account' to get the free
 student version which is valid while you are a student, there is also a 30 day trial version but this only lasts 30
 days. During registration use your CQU student email (xxxxxxx@cqumail.com) and if required enter the
 Education Institution/School as: "Central Queensland University"; Faculty as: "Engineering" and website as:
 "www.cqu.edu.au". You should receive an email from Autodesk requesting account activation, follow these
 instructions. If you receive an error or the web browser hangs, try re-creating the account with the same
 information. Once your account is activated, sign in on the web page:

www.autodesk.com/education/free-software/autocad. Then follow the prompts to download and install AutoCAD 2017. Ensure your computer meets the AutoCAD 2017 system requirements. You are most welcome to download and use older versions like AutoCAD 2014, 2015 and 2016, they have slightly different system requirements but have almost identical interface and functionality. It is advisable to download the software many weeks prior to term to ensure your computer is able to run the software. The download is quite large at ~5GB so if you have access to a CQUniversity campus you can use the free wifi to download the software, library staff should be able to direct you to help in this matter.

Referencing Style

All submissions for this unit must use the referencing style: <u>Harvard (author-date)</u> For further information, see the Assessment Tasks.

Teaching Contacts

Mitchell Mcclanachan Unit Coordinator m.mcclanachan@cqu.edu.au

Schedule

Week 1 - 06 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Introduction to AutoCAD, Basic Commands	Chapter 1 and 2	
Week 2 - 13 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Advanced AutoCAD Commands	Chapter 3	
Week 3 - 20 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Sketching and Australian Standards	Chapter 4 and AS1101	
Week 4 - 27 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Orthographic Views	Chapter 5	Progress submission of the Drawing Folio (Due 1pm, 3rd April 2017)
Week 5 - 03 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Orthographic Views Continued	Chapter 5	
Vacation Week - 10 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Use this week to catch up and work ahead.		
Week 6 - 17 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Sectional Views	Chapter 6 and 7	Assignment 1 Due: Week 6 Tuesday
		(10 Apr 2017) 1.00 pm AEST
Week 7 - 24 Apr 2017		(16 Apr 2017) 1.00 pm AEST
Week 7 - 24 Apr 2017 Module/Topic	Chapter	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks	Chapter An additional chapter is provided on the moodle site	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017	Chapter An additional chapter is provided on the moodle site	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic	Chapter An additional chapter is provided on the moodle site Chapter	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners	Chapter An additional chapter is provided on the moodle site Chapter Chapters 8, 9, 10 and 11	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017	Chapter An additional chapter is provided on the moodle site Chapter Chapters 8, 9, 10 and 11	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic	Chapter An additional chapter is provided on the moodle site Chapter Chapters 8, 9, 10 and 11 Chapter	Events and Submissions/Topic Events and Submissions/Topic Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings	Chapter An additional chapter is provided on the moodle site Chapter Chapter 8, 9, 10 and 11 Chapter 12	Events and Submissions/Topic Events and Submissions/Topic Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings Week 10 - 15 May 2017	Chapter An additional chapter is provided on the moodle site Chapter Chapters 8, 9, 10 and 11 Chapter 12	Events and Submissions/Topic Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings Week 10 - 15 May 2017 Module/Topic	Chapter Chapter Chapter Chapters 8, 9, 10 and 11 Chapter 12 Chapter 12	Events and Submissions/Topic Events and Submissions/Topic Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings Week 10 - 15 May 2017 Module/Topic Fundamentals of 3D Drawing	Chapter An additional chapter is provided on the moodle site Chapter Chapter 3, 9, 10 and 11 Chapter 12 Chapter 12	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings Week 10 - 15 May 2017 Module/Topic Fundamentals of 3D Drawing Week 11 - 22 May 2017	Chapter Chapter Chapters 8, 9, 10 and 11 Chapter 12 Chapter 12	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings Week 10 - 15 May 2017 Module/Topic Fundamentals of 3D Drawing Week 11 - 22 May 2017 Module/Topic	Chapter Chapter Chapter Chapters 8, 9, 10 and 11 Chapter 12 Chapter 12 Chapter 14 Chapter 14	Events and Submissions/Topic Events and Submissions/Topic Events and Submissions/Topic Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings Week 10 - 15 May 2017 Module/Topic Fundamentals of 3D Drawing Week 11 - 22 May 2017 Module/Topic JD Modelling	Chapter An additional chapter is provided on the moodle site Chapter Chapter Chapter 12 Chapter 14 Chapter 15	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings Week 10 - 15 May 2017 Module/Topic Fundamentals of 3D Drawing Week 11 - 22 May 2017 Module/Topic 3D Modelling Week 12 - 29 May 2017	Chapter Chapter Chapters 8, 9, 10 and 11 Chapter 12 Chapter 12 Chapter 14 Chapter 15	Events and Submissions/Topic
Week 7 - 24 Apr 2017 Module/Topic Working with Symbol Libraries and Blocks Week 8 - 01 May 2017 Module/Topic Dimensioning, Tolerances and Threaded Fasteners Week 9 - 08 May 2017 Module/Topic Working Drawings Week 10 - 15 May 2017 Module/Topic Fundamentals of 3D Drawing Week 11 - 22 May 2017 Module/Topic 3D Modelling Week 12 - 29 May 2017 Module/Topic	Chapter Chapter Chapter Chapter Chapter Chapter 12 Chapter 14 Chapter 15	Events and Submissions/Topic

Review/Exam Week - 05 Jun 2017

Module/Topic

Chapter

Events and Submissions/Topic

Drawing Folio Due: Review/Exam Week Monday (5 June 2017) 1:00 pm AEST

Exam Week - 12 Jun 2017

Module/Topic

Chapter

Events and Submissions/Topic

Assignment 3 Due: Exam Week Friday (16 June 2017) 5:00 pm AEST

Term Specific Information

Credit Transfer and Recognised Prior Learning (RPL)

You might not need to do this unit as you may be eligible for credit transfer (also known as course credits, recognition of prior learning, or exemptions). Credit transfer is possible if you are able to demonstrate appropriate prior learning or a combination of appropriate prior learning and experience.

The cutoff date for credit transfer applications is 24th February 2017 but you miss this date you should be able to apply for the next credit transfer round. See more information and contact the 'Student Advice' team via: <u>https://www.cqu.edu.au/courses-and-programs/credit-transfer-and-rpl/credit-transfers</u> who can give you more detailed infomation on the process.

Teaching Team

The teaching team comprises of a Lecturer and a Unit Coordinator:

The Lecturer, Sayem: is experienced in the unit materials and is primarily responsible for your learning and will run the "Q & A" Forum, online sessions, marking and feedback and is the first contact point for most problems or questions. Please contact him via: Moodle, phone (07) 4923 2123 or a.sayem@cqu.edu.au as required. Please use the moodle discussion Q&A forum for most enquires. If you need to convey personal information please email or phone.

The Unit Coordinator, Mitchell McClanachan: is responsible for the overview of the unit, approving extensions, administration of University Policies and will help the lecturer when required. Contact details can be found in the Teaching Contacts section in this Unit Profile.

Assessment Tasks

1 Drawing Folio

Assessment Type

Written Assessment

Task Description

You need to pass the Drawing Folio to pass the Unit.

The Drawing Folio comprises of all the weekly sketching and AutoCAD Folio Activities done during the unit. The folio activities are listed each week on the Moodle site. It is worthwhile doing a good attempt at the folio activities as it helps you complete the assignments and if at the end of the unit you are on the border line between two final grades the Drawing Folio can be used to determine if the higher grade should be awarded. The Folio Activities should be completed week by week, not at the end of term.

The presentation of the Drawing Folio is not as crucial as an assignment as it is recognised you will make mistakes during your learning. Rough sketches and partial attempts of questions are acceptable and will add to your grade. The question numbers should be clearly displayed on any free hand sketches or AutoCAD drawings.

Drawing Folio Submission

- <u>A Drawing Folio progress submission is required 1pm Monday Week 5</u>. Submit your Drawing Folio to date to enable the teaching team to provide some feedback to let you know how you are going on this task.

- The completed Final Drawing Folio is to be submitted by the following due date.

The Progress and Final Drawing Folio Submissions must include:

- A single pdf file, containing the Folio Activities freehand sketches and AutoCAD drawings;
- plus a single zip file, containing all the AutoCAD *.dwg files shown in the previous pdf file. (The AutoCAD *.dwg files should be suitably named with respect to the question numbers)

In the Drawing Folio submission you can include any initial or failed attempts of the folio exercises, and any additional

drawings done during the unit. Please ensure these are labelled and named accordingly.

Assessment Due Date

Review/Exam Week Monday (5 June 2017) 1:00 pm AEST

Return Date to Students

The Drawing Folio will be returned after the CQU Certification of Grades.

Weighting

Pass/Fail

Minimum mark or grade

50%. Also: you need to pass the Drawing Folio to pass the Unit.

Assessment Criteria

To pass Drawing Folio you must satisfactorily complete at least 50% of the Folio Activities for each topic as listed on the Moodle site. You will get some credit for partial attempts of the activities. The presentation and accuracy of the folio drawing activities are not as crucial as an assignment as it is recognised you will make mistakes during your learning. The Folio Activities are seen as ways to stimulate your own learning, whereas the assignments are used to assess you. The assessment criteria for the assignments (repeated below) can be used as a guide for the Drawing Folio:

- 1. Production of neat and accurate freehand engineering sketches.
- 2. Production of accurate AutoCAD drawing files complying with AS1100 drawing practice.

Referencing Style

• Harvard (author-date)

Submission

Online

Submission Instructions

Progress Drawing Folio Due: Monday Week 5. Final Drawing Folio Due: Monday Review Week. Submit via the Moodle site: 1) a single pdf file containing the required freehand sketches and AutoCAD drawings. 2) Also submit a single zip file containing the AutoCAD *.dwg files.

Learning Outcomes Assessed

- Produce freehand sketches to visually define engineering artefacts
- Develop and interpret drawings that use orthographic projection conventions and sectioning conventions complying with AS1100 Drawing Standards
- Scale, layout, draw and dimension engineering CAD drawings to provide sufficient information to manufacture artefacts
- Draw and interpret 2D and 3D drawings using surface modelling, 3D solid modelling and rendering with CAD software
- Produce component detail drawings and assembly drawings including parts lists for engineering artefacts to AS1100 standards
- Demonstrate an effective, professional level of communication and support collaborative peer group learning

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Ethical practice

2 Assignment 1

Assessment Type

Written Assessment

Task Description

This assignment requires the construction of basic 2D AutoCAD drawings, freehand sketching and orthographic projection. Assignment questions will be provided through the Moodle website.

Assessment Due Date

Week 6 Tuesday (18 Apr 2017) 1:00 pm AEST

Return Date to Students

Monday (1 May 2017)

Weighting 30%

Minimum mark or grade

40%

Assessment Criteria

This assessment item will be assessed on the following criteria:

- 1. Production of neat and accurate freehand sketches.
- 2. Production of accurate AutoCAD drawings complying with AS1100 drawing practice.
- 3. Demonstration of achievement of the learning outcomes as listed below in the 'Learning Outcomes Assessed' section.

The assessment item detail will be available on the Moodle website.

Please note: Individual assignments have a minimum pass requirement of 40%. But you will need to achieve a total of 50% for the entire Unit to pass.

Referencing Style

• Harvard (author-date)

Submission

Online

Submission Instructions

Submit via the Moodle site: 1) a single pdf file containing the required freehand sketches and AutoCAD drawings. 2) Also submit a single zip file containing the AutoCAD *.dwg files.

Learning Outcomes Assessed

- Produce freehand sketches to visually define engineering artefacts
- Develop and interpret drawings that use orthographic projection conventions and sectioning conventions complying with AS1100 Drawing Standards
- Demonstrate an effective, professional level of communication and support collaborative peer group learning

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Ethical practice

3 Assignment 2

Assessment Type

Written Assessment

Task Description

This assignment requires the construction of detailed 2D AutoCAD orthographic and sectional drawings including the use of layers, line types and dimensioning. Assignment questions will be provided through the Moodle website.

Assessment Due Date Week 10 Monday (15 May 2017) 1:00 pm AEST

Return Date to Students

Monday (29 May 2017)

Weighting

30%

Minimum mark or grade 40%

Assessment Criteria This assessment item will be assessed on the following criteria:

- 1. Production of accurate AutoCAD drawings complying with AS1100 drawing practice.
- 2. Demonstration of achievement of the learning outcomes as listed below in the 'Learning Outcomes Assessed' section.

The assessment item detail will be available on the Moodle website.

Please note while individual assignments have a minimum pass requirement of 40%, you will need to achieve a total of 50% for the entire Unit to pass.

Referencing Style

• Harvard (author-date)

Submission

Online

Submission Instructions

Submit via the Moodle site: 1) a single pdf file containing the AutoCAD drawings. 2) Also submit a single zip file containing the AutoCAD *.dwg files.

Learning Outcomes Assessed

- Develop and interpret drawings that use orthographic projection conventions and sectioning conventions complying with AS1100 Drawing Standards
- Scale, layout, draw and dimension engineering CAD drawings to provide sufficient information to manufacture artefacts
- Demonstrate an effective, professional level of communication and support collaborative peer group learning

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Ethical practice

4 Assignment 3

Assessment Type

Written Assessment

Task Description

This assignment requires the construction of 2D and 3D AutoCAD drawings including 3D modelling and the use of rendering. Assignment questions are on the Moodle website.

Assessment Due Date

Exam Week Friday (16 June 2017) 5:00 pm AEST

Return Date to Students

Assignment three will be returned after the CQU Certification of Grades.

Weighting

40%

Minimum mark or grade 40%

Assessment Criteria

This assessment item will be assessed on the following criteria:

- 1. Production of accurate AutoCAD drawing files complying with AS1100 drawing practice.
- Demonstration of achievement of the learning outcomes as listed below in the 'Learning Outcomes Assessed' section.

The assessment item detail will be available on the Moodle website. Please note while individual assignments have a minimum pass requirement of 40%, you will need to achieve a total of 50% for the entire Unit to pass.

Referencing Style

• Harvard (author-date)

Submission

Online

Submission Instructions

Submit via the Moodle site: 1) a single pdf file containing the AutoCAD drawings. 2) Also submit a single zip file containing the AutoCAD *.dwg files.

Learning Outcomes Assessed

- Scale, layout, draw and dimension engineering CAD drawings to provide sufficient information to manufacture artefacts
- Draw and interpret 2D and 3D drawings using surface modelling, 3D solid modelling and rendering with CAD software
- Produce component detail drawings and assembly drawings including parts lists for engineering artefacts to AS1100 standards
- Demonstrate an effective, professional level of communication and support collaborative peer group learning

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Ethical practice

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the **Student Academic Integrity Policy and Procedure**. This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?

For academic advice and guidance, the <u>Academic Learning Centre (ALC)</u> can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?





Seek Help If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



Produce Original Work Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem