



# EDSE12026 Graphics and 2D Computer Aided Design Technologies

## Term 1 - 2019

Profile information current as at 30/04/2024 12:25 am

All details in this unit profile for EDSE12026 have been officially approved by CQU University 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

This unit provides an introduction to graphical and 2 dimensional computer-aided design (CAD). It provides the necessary skills for the demonstration of practical and theoretical knowledge thus enabling you to teach Graphics and 2D CAD in the discipline of Industrial Technology and Design in the middle years of schooling (7-10). You will design, develop, adapt and evaluate projects utilising critical aspects of knowledge about graphics and 2 dimensional drawing. You will develop hands-on drawing skills and the ability to work with 2 dimensional design technologies.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 7

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 [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

### Offerings For Term 1 - 2019

- Mixed Mode

### 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).

### Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:

Click here to see your [Residential School Timetable](#).

### 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

#### 1. **Written Assessment**

Weighting: 50%

#### 2. **Practical Assessment**

Weighting: 50%

### 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 [University's Grades and Results Policy](#) for more details of interim results and final grades.

## CQUniversity Policies

**All University policies are available on the [CQUniversity Policy site](#).**

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 [CQUniversity Policy site](#).

## 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 Student response

**Feedback**

Very helpful video tutorials. Mostly everything is very clear and easy to follow.

**Recommendation**

Continue to review tutorial videos and content to provide a clear understanding of unit requirements.

## Unit Learning Outcomes

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

1. Understand the use, development and impact of design concepts through the use of graphical and 2 dimensional communication.
2. Apply graphical and 2 dimensional design concepts and procedures.
3. Plan, sequence, implement and assess graphics used in the production of projects.
4. Recognise and apply basic skills sequences and procedures using design processes required for teaching Graphics and 2 D CAD technologies.
5. Critically evaluate specific applications of tools and equipment used in the production of Graphics and 2 D CAD technologies.
6. Apply appropriate workplace health and safety and maintenance practices when engaging in design activities.
7. Communicate and work professionally in peer learning teams

**Australian Institute for School Leadership (AITSL, 2013), Professional Standards for Teachers (Graduate Level):**

Standard 2: Know the content and how to teach it

2.1 Content and teaching strategies of the teaching area; 2.2 Content selection and organisation

Standard 4: Create and maintain supportive and safe learning environments

4.4 Maintain student safety

Standard 6: Engage in professional learning

6.2 Engage in professional learning and improve practice; 6.3 Engage with colleagues to improve practice.

Standard 7: Engage professionally with colleagues, parents/carers and the community.

7.2 Comply with legislative, administrative and organisational requirements; 7.4 Engage with professional teaching networks and broader communities.



## Textbooks and Resources

### Textbooks

EDSE12026

#### Prescribed

##### **Graphics - Introductory Worksheets 1 (1995)**

Edition: 1 (1995)

Authors: Baker, S & Schlyder, D

PCS Publications

Toowoomba , Queensland , Australia

Binding: Paperback

EDSE12026

#### Prescribed

##### **Graphics - Stage B Worksheets 1 (1997)**

Edition: 1 (1997)

Authors: Schlyder, D

P.C.S. Publications

Toowoomba , Queensland , Australia

Binding: Paperback

EDSE12026

#### Prescribed

##### **Graphic - Stage A Worksheets 1 (2016)**

Edition: 1 (2016)

Authors: Baker, S & Schlyder, D

P.C.S. Publications

Toowoomba , Queensland , Australia

Binding: Paperback

#### **Additional Textbook Information**

Copies can be purchased at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code)

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

**You will need access to the following IT resources:**

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- AutoDesk AutoCAD Software 2019

## Referencing Style

All submissions for this unit must use the referencing style: [American Psychological Association 6th Edition \(APA 6th edition\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Brad Connolly** Unit Coordinator

[b.connolly@cqu.edu.au](mailto:b.connolly@cqu.edu.au)

## Schedule

**Week 1 - 11 Mar 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Pictorial Views: Oblique & Isometric	<p><b>Worksheets:</b></p> <ul style="list-style-type: none"> <li>· Introductory Sheets - 4 (Classwork &amp; Extension)</li> <li>· Introductory Sheets - 6 (Classwork &amp; Extension)</li> <li>· Stage A - A01 (Exercises 1 &amp; 2)</li> <li>· Stage A - A04 (Exercises 1 &amp; 2)</li> <li>· Stage A - A31 (Exercise 4)</li> <li>· Stage A - A39 (Exercise 3)</li> </ul> <p><b>Note:</b> Dimensioning is not required for this week's exercises.</p> <p><b>Equipment:</b> Setsquares, T-square (30 cm), pencils (HB, 2B, 2H), black fine liner (~0.4mm), ruler, eraser, A4 &amp; A3 paper (~10 each), compass.</p> <p><b>Software:</b> Autodesk AutoCAD 2019</p>	<p><b>Assessment Due:</b> Written Assessment Part A (Manual Drafting Folio)</p> <p>Friday 5<sup>th</sup> April 2019 11:55pm AEST</p>

**Week 2 - 18 Mar 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Pictorial Views: Planometric view and Perspective Views 1-pt & 2-pt	<p><b>Worksheets:</b></p> <ul style="list-style-type: none"> <li>· <b>Introductory Sheets - 7 (Classwork &amp; Extension)</b></li> <li>· <b>Stage A - A24 (Exercise 1 &amp; 2)</b></li> <li>· <b>Stage A - A36 (Exercises 1,3 &amp; 4)</b></li> <li>· <b>Stage B - B17 (Exercises 1 &amp; 2)</b></li> </ul> <p><b>Note:</b> Rendering is not required for this week's exercises.</p> <p><b>Equipment:</b> Setsquares, T-square (30 cm), pencils (HB, 2B, 2H), black fine liner (~0.4mm), ruler, eraser, A4 &amp; A3 paper (~10 each), compass.</p> <p><b>Software:</b> Autodesk AutoCAD 2019</p>	<p><b>Assessment Due:</b> Written Assessment Part A (Manual Drafting Folio)</p> <p>Friday 5<sup>th</sup> April 2019 11:55pm AEST</p>

**Week 3 - 25 Mar 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Drawing Standards and Developments	<p><b>Worksheets:</b></p> <ul style="list-style-type: none"> <li>· Introductory - 9 (Classwork &amp; Extension)</li> <li>· Introductory - 10 (Classwork &amp; Extension)</li> <li>· Stage A - A13 (Exercises 2 &amp; 4)</li> <li>· Stage A - A17 (Exercises 1 &amp; 2)</li> </ul> <p><b>Note:</b> Rendering is not required for this week's exercises.</p> <p><b>Equipment:</b> Setsquares, T-square (30 cm), pencils (HB, 2B, 2H), black fine liner (~0.4mm), ruler, eraser, A4 &amp; A3 paper (~10 each), compass.</p> <p><b>Software:</b> Autodesk AutoCAD 2019</p>	<p><b>Assessment Due:</b> Written Assessment Part A (Manual Drafting Folio)</p> <p>Friday 5<sup>th</sup> April 2019 11:55pm AEST</p>

**Week 4 - 01 Apr 2019**

Module/Topic	Chapter	Events and Submissions/Topic

Projection Systems: Orthographic	<p><b>Worksheets:</b></p> <ul style="list-style-type: none"> <li>· Introductory Sheets - 14 (Classwork &amp; Extension)</li> <li>· Introductory Sheets - 16 (Classwork only)</li> <li>· Introductory Sheets - 18 (Classwork &amp; Extension)</li> <li>· Stage A - A16 (Exercises 1 &amp; 3)</li> </ul> <p><b>Equipment:</b> Setsquares, T-square (30 cm), pencils (HB, 2B, 2H), black fine liner (~0.4mm), ruler, eraser, A4 &amp; A3 paper (~10 each), compass.</p> <p><b>Software:</b> Autodesk AutoCAD 2019</p>	<p><b>Assessment Due:</b> Written Assessment Part A (Manual Drafting Folio)</p> <p>Friday 5<sup>th</sup> April 2019 11:55pm AEST</p>
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### Week 5 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Mandatory Residential School	<p><b>Practical Assessment</b></p> <ul style="list-style-type: none"> <li>· Sketching</li> <li>· Surface Developments</li> <li>· Geometric Construction</li> <li>· Pictorial Representations</li> <li>· Orthographic Projection</li> <li>· 2D CAD Techniques</li> <li>· Design Process assignment review</li> </ul>	<p><b>The Residential School is week 5</b> - Starting Thursday 11<sup>th</sup> April 2019 to Saturday 13<sup>th</sup> April 2019, 8:30 a.m. - 4:30 p.m. There are two locations for the Residential School</p> <p><b>Venue:</b> CQUniversity Rockhampton City Campus</p> <p><b>Rooms:</b> E Block Room 2.16</p> <p><b>Venue:</b> Kelvin Grove State College - L'Estrange Terrace, Kelvin Grove, Qld 4059</p> <p><b>Room:</b> SD Building - Technology and Design Building</p> <p><b>Assessment Due:</b> Practical Assessment</p> <p>Part A (Concept Drawing Folio)</p> <p>Part B (Technical Drawing Folio)</p> <p>Part C (CAD Folio)</p> <p>Date: Week 5 Sunday (14th Apr 2019)</p> <p>Time: 11:55 pm AEST</p> <p>Submitted online via moodle site</p> <p>Compile all work. Scan and save all concept drawings and manual drafts ensuring all scans are of high enough quality that they clearly show all details and annotations. CAD drawings must be saved as a dwg file. Title the files including your full name and assessment part. For example;</p> <p><b>MitchAitkenPracticalAssessmentPartAConcept Drawings.pdf</b></p> <p><b>MitchAitkenPracticalAssessmentPartBManualDrafting.pdf</b></p> <p><b>MitchAitkenPracticalAssessmentPartCCAD.pdf</b></p>

### Vacation Week - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Enjoy your break.		

### Week 6 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Design/Engineering Process	<p>Written Assessment Part B (Yr9 Graphics Project)</p> <p><b>Activity:</b></p> <p>Step 1: Read the written assessment Part B guidelines and follow the steps outlined</p> <p>Step 2: Follow the three-stage design process and complete the learning tasks</p> <p>Step 3: Compile all work within the Graphics Project Template (PowerPoint)</p> <p>Step 4: Save Graphics Project as a PDF file ensuring all scans are of high enough quality that they clearly show all details and annotations</p> <p>Step 5: Title the pdf file including your full name and assessment task. For example;</p> <p><b>MitchAitkenWrittenAssessmentPartBYr9GraphicsProject.pdf</b></p> <p>Step 6: Submit assessment online via the Moodle site</p>	<p><b>Assessment Due:</b> Written Assessment Part B (Year 9 Graphics Project)</p> <p>Date: Week 8 Friday (10th May 2019)</p> <p>Time: 11:55 pm AEST</p>

### Week 7 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Design/Engineering Process	<p>Written Assessment Part B (Yr9 Graphics Project)</p> <p><b>Activity:</b>  Step 1: Read the written assessment Part B guidelines and follow the steps outlined  Step 2: Follow the three-stage design process and complete the learning tasks  Step 3: Compile all work within the Graphics Project Template (PowerPoint)  Step 4: Save Graphics Project as a PDF file ensuring all scans are of high enough quality that they clearly show all details and annotations  Step 5: Title the pdf file including your full name and assessment task. For example;  <b>MitchAitkenWrittenAssessmentPartBYr9GraphicsProject.pdf</b>  Step 6: Submit assessment online via the Moodle site</p>	<p><b>Assessment Due:</b> Written Assessment Part B (Year 9 Graphics Project)  Date: Week 8 Friday (10th May 2019)  Time: 11:55 pm AEST</p>
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### Week 8 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Design/Engineering Process	<p>Written Assessment Part B (Yr9 Graphics Project)</p> <p><b>Activity:</b>  Step 1: Read the written assessment part B guidelines and follow the steps outlined  Step 2: Follow the three-stage design process and complete the learning tasks  Step 3: Compile all work within the Graphics Project Template (PowerPoint)  Step 4: Save Graphics Project as a PDF file ensuring all scans are of high enough quality that they clearly show all details and annotations  Step 5: Title the pdf file including your full name and assessment task. For example;  <b>MitchAitkenWrittenAssessmentPartBYr9GraphicsProject.pdf</b>  Step 6: Submit assessment online via the Moodle site</p>	<p><b>Assessment Due:</b> Written Assessment Part B (Year 9 Graphics Project)  Date: Week 8 Friday (10th May 2019)  Time: 11:55 pm AEST</p>

### Week 9 - 13 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Design/Engineering Process	<p>Written Assessment Part C (Yr10 Graphics Project)</p> <p><b>Activity:</b>  Step 1: Read the written assessment task C guidelines and follow the steps outlined  Step 2: Follow the three-stage design process and complete the learning tasks  Step 3: Compile all work within the Graphics Project Template (PowerPoint)  Step 4: Save Graphics Project as a PDF file ensuring all scans are of high enough quality that they clearly show all details and annotations  Step 5: Title the pdf file including your full name and assessment task. For example;  <b>MitchAitkenWrittenAssessmentPartCYr10GraphicsProject.pdf</b>  Step 6: Submit assessment online via the Moodle site</p>	<p><b>Assessment Due:</b> Written Assessment Part C (Year 10 Graphics Project)  Date: Week 12 Friday (7th June 2019)  Time: 11:55 pm AEST</p>

### Week 10 - 20 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Design/Engineering Process	<p>Written Assessment Part C (Yr10 Graphics Project)</p> <p><b>Activity:</b>  Step 1: Read the written assessment task C guidelines and follow the steps outlined  Step 2: Follow the three-stage design process and complete the learning tasks  Step 3: Compile all work within the Graphics Project Template (PowerPoint)  Step 4: Save Graphics Project as a PDF file ensuring all scans are of high enough quality that they clearly show all details and annotations  Step 5: Title the pdf file including your full name and assessment task. For example;  <b>MitchAitkenWrittenAssessmentPartCYr10GraphicsProject.pdf</b>  Step 6: Submit assessment online via the Moodle site</p>	<p><b>Assessment Due:</b> Written Assessment Part C (Year 10 Graphics Project)  Date: Week 12 Friday (7th June 2019)  Time: 11:55 pm AEST</p>

### Week 11 - 27 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Written Assessment Part C (Yr10 Graphics Project)

**Activity:**

Step 1: Read the written assessment part C guidelines and follow the steps outlined

Step 2: Follow the three-stage design process and complete the learning tasks

Step 3: Compile all work within the Graphics Project Template (PowerPoint)

Step 4: Save Graphics Project as a PDF file ensuring all scans are of high enough quality that they clearly show all details and annotations

Step 5: Title the pdf file including your full name and assessment task. For example;

**MitchAitkenWrittenAssessmentPartCYr10GraphicsProject.pdf**

Step 6: Submit assessment online via the Moodle site

**Assessment Due:** Written

Assessment Part C (Year 10 Graphics Project)

Date: Week 12 Friday (7th June 2019)

Time: 11:55 pm AEST

Design/Engineering Process

### Week 12 - 03 Jun 2019

Module/Topic

Chapter

Events and Submissions/Topic

Written Assessment Part C (Yr10 Graphics Project)

**Activity:**

Step 1: Read the written assessment part C guidelines and follow the steps outlined

Step 2: Follow the three-stage design process and complete the learning tasks

Step 3: Compile all work within the Graphics Project Template (PowerPoint)

Step 4: Save Graphics Project as a PDF file ensuring all scans are of high enough quality that they clearly show all details and annotations

Step 5: Title the pdf file including your full name and assessment task. For example;

**MitchAitkenWrittenAssessmentPartCYr10GraphicsProject.pdf**

Step 6: Submit assessment online via the Moodle site

**Assessment Due:** Written

Assessment Part C (Year 10 Graphics Project)

Date: Week 12 Friday (7th June 2019)

Time: 11:55 pm AEST

Design/Engineering Process

### Review/Exam Week - 10 Jun 2019

Module/Topic

Chapter

Events and Submissions/Topic

### Exam Week - 17 Jun 2019

Module/Topic

Chapter

Events and Submissions/Topic

## Assessment Tasks

### 1 Drafting Folio & Graphic Projects

#### Assessment Type

Written Assessment

#### Task Description

The written assessment component of the course is a series of graphic exercises that explore concept sketching, manual drafting, computer-aided design and the design process. There are three parts which total 50% of the course grade. Part A is the Manual Drafting Folio that is a collection of technical drawing exercises from the text. Part A introduces you to the basic concepts and skills of graphics including pictorial and orthographic views as well as surface developments. Part B is the year 9 graphics project. Set after the residential school this project includes concept sketching, manual drafting and computer-aided design. You are required to complete an exemplar of a year 9 graphic project. A series of activities have been set to help you respond to a particular design brief and guide you through the design process. Part C is the year 10 graphics design project. Similar to part B this project explores the design process in more detail and demands a higher level of skill and understanding.

This assessment task consists of 3 parts:

#### Part A - 10%

**Manual Drafting Folio:** You are required to complete a series of technical drawings that exemplifies graphical skills and understanding suitable for the middle years of schooling. Techniques include surface developments, orthographic projection and pictorial views.

All drawings are to be collated in order of completion and in a single PDF document. Ensure the scans are of high enough quality that they clearly show all details (in particular firming lines and annotations).

#### Part B - 15%

**Year 9 Graphics Project:** You are required to produce an exemplar of a year 9 graphics project, which demonstrates sketching, manual drafting and CAD skills suitable for teaching in the middle years of schooling. Your work must demonstrate an understanding of the design process, graphic skills concepts, principles and conventions.

All work is to be collated within the PowerPoint template provided and saved as a single PDF document. Ensure the scans are of high enough quality that they clearly show all details (in particular firming lines and annotations).

**Part C - 25%**

**Year 10 Graphics Project:** You are required to produce an exemplar of a year 10 graphics project, which demonstrates sketching, manual drafting and CAD skills suitable for teaching in the middle years of schooling. Your work must demonstrate an understanding of the design process, graphic skills concepts, principles and conventions.

All work is to be collated within the PowerPoint template provided and saved as a single PDF document. Ensure the scans are of high enough quality that they clearly show all details (in particular firming lines and annotations).

**Assessment Due Date**

Part A (Manual Drafting Folio) Week 4 Friday 5th April 2019 11:55pm AEST Part B (Year 9 Graphics Project) Week 8 Friday 10th May 2019 11:55 pm AEST Part C (Year 10 Graphics Project) Week 12 Friday 7th June 2019 11:55 pm AEST

**Return Date to Students**

Exam Week Monday (17 June 2019)

Returned to students upon moderation and certification of grades

**Weighting**

50%

**Assessment Criteria**

- Comprehension of a range of graphical procedures, principles, and conventions.
- Comprehension of the design process.
- Creation of technical drawings that meet requirements.
- Creation of computer aided designs that meet requirements.
- Appropriate selection and development of learning tasks
- Use of language conventions and technical vocabulary.
- Description of relevant design criteria.
- Interpretation and analysis of graphical and design information.
- Use of a range of graphical skills to produce graphical products responsive to the needs of particular audiences.
- Synthesis of ideas to develop solutions.

**Referencing Style**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

**Submission**

Online

**Submission Instructions**

Task submitted through Moodle

**Learning Outcomes Assessed**

- Understand the use, development and impact of design concepts through the use of graphical and 2 dimensional communication.
- Apply graphical and 2 dimensional design concepts and procedures.
- Plan, sequence, implement and assess graphics used in the production of projects.
- Recognise and apply basic skills sequences and procedures using design processes required for teaching Graphics and 2 D CAD technologies.
- Critically evaluate specific applications of tools and equipment used in the production of Graphics and 2 D CAD technologies.
- Apply appropriate workplace health and safety and maintenance practices when engaging in design activities.

**Graduate Attributes**

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

## 2 Residential School: Practical Assessment - Folio of Work

### Assessment Type

Practical Assessment

### Task Description

The residential school introduces students to sketching, manual drafting and 2D computer aided design using AutoCAD, and targets topics and applications for the junior year levels. You will be taught how to represent design concepts quickly on paper, create pictorial views, use lighting to enhance drawings with shading and shadows, refine ideas by applying technical drawing techniques, and use 2D commands to construct geometric shapes, orthographic views and surface developments.

This assessment task consists of 3 parts:

#### Part A - 20%

##### Concept Sketching Folio:

You are required to utilise a range of freehand sketching techniques and procedures in producing a collection of work that exemplifies graphical presentations suitable for teaching in the middle years of schooling. Techniques include solid, truncated and intersecting prisms, shadows and rendering.

All drawings are to be collated in order of completion and in a single PDF document. Ensure the scans are of high enough quality that they clearly show all details (in particular firming lines and annotations).

#### Part B - 15%

**Manual Drafting Folio:** You are required to utilise technical drawing techniques and procedures in producing a collection of industrial designs, which exemplifies a range of graphical presentations suitable for teaching in the middle years of schooling.

All drawings are to be collated in order of completion and in a single PDF document. Ensure the scans are of high enough quality that they clearly show all details (in particular construction lines, firming lines and annotations).

#### Part C - 15%

**Computer Aided Design (CAD) Folio:** You are required to utilise tools and processes in producing a collection of computer aided designs, that exemplifies a range of graphical presentations suitable for teaching in the middle years of schooling

All CAD drawings are to be saved as (dwg) files, and titles must include your full name and page number.

### Assessment Due Date

Assessment Due Date: Parts A, B & C Week 5 Sunday 14th Apr 2019 11:55 pm AEST

### Return Date to Students

Monday 22 Apr 2019

### Weighting

50%

### Assessment Criteria

- Comprehension of a range of graphical procedures, principles, and conventions.
- Use of a range of graphical skills to produce concept drawings.
- Creation of technical drawings that meet requirements.
- Creation of computer aided designs that meet requirements.
- Ability to work independently and professionally from instruction.

### Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

### Submission

Online

### Submission Instructions

Completed at residential school and submitted online via moodle

### Learning Outcomes Assessed

- Understand the use, development and impact of design concepts through the use of graphical and 2 dimensional communication.
- Apply graphical and 2 dimensional design concepts and procedures.
- Plan, sequence, implement and assess graphics used in the production of projects.
- Recognise and apply basic skills sequences and procedures using design processes required for teaching Graphics and 2 D CAD technologies.
- Critically evaluate specific applications of tools and equipment used in the production of Graphics and 2 D CAD

technologies.

- Apply appropriate workplace health and safety and maintenance practices when engaging in design activities.
- Communicate and work professionally in peer learning teams

### **Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Cross Cultural 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 [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

### **What can you do to act with integrity?**



**Be Honest**

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



**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