



# BLAR11056 *Introduction to Hand and Digital Drawing*

## Term 1 - 2024

Profile information current as at 19/05/2024 08:06 am

All details in this unit profile for BLAR11056 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, you will learn to visually communicate a design project. You will first gain an understanding of how to visualise objects and draw them to scale freehand. You will then be introduced to a range of drafting software, including AutoCAD and REVIT/BIM. Focussing on software that is appropriate to your chosen discipline, you will learn to apply drafting software to demonstrate appropriate use of scale and proportion as you create technical 2D and 3D drawings of complex objects/buildings as appropriate for your chosen discipline.

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

### Offerings For Term 1 - 2024

- Online

### 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

1. **Portfolio**

Weighting: 25%

2. **Portfolio**

Weighting: 30%

3. **Portfolio**

Weighting: 45%

### 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](#).

## Unit Learning Outcomes

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

1. Use scale and proportion in technical drawings appropriately
2. Produce two dimensional drawings of objects/buildings with inclusion of dimensions and annotations using drafting software
3. Create a three dimensional (3D) model relevant to your chosen discipline using drafting software
4. Visually communicate a design project using standards appropriate to discipline.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Portfolio - 25%	•			
2 - Portfolio - 30%	•	•		•
3 - Portfolio - 45%	•	•	•	•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Communication	•		•	
2 - Problem Solving				
3 - Critical Thinking				
4 - Information Literacy	•	•	•	
5 - Team Work	•			
6 - Information Technology Competence		•	•	•
7 - Cross Cultural Competence				
8 - Ethical practice				
9 - Social Innovation				
10 - Aboriginal and Torres Strait Islander Cultures				

## Textbooks and Resources

### Textbooks

**There are no required textbooks.**

#### Additional Textbook Information

No text is required.

### IT Resources

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

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Microsoft Office or equivalent software
- Webcam and headset
- Autodesk Revit (Educational Version from Autodesk.com using your CQUniversity email address)

## Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Peter F Lawrence (Engineering)** Unit Coordinator

[p.lawrence1@cqu.edu.au](mailto:p.lawrence1@cqu.edu.au)

## Schedule

### Week 1 - 04 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
Session 1   Overview, the Revit interface and drawing to scale by hand	Please refer to the Moodle unit site for additional information.	

### Week 2 - 11 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
Session 2   Setting up views, project levels & site	Please refer to the Moodle unit site for additional information.	

### Week 3 - 18 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
Session 3   Creating a basic model - floors, walls, roofs	Please refer to the Moodle unit site for additional information.	

### Week 4 - 25 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
Session 4   Doors, windows, curtain walls, vertical circulation (stairs & ramps)	Please refer to the Moodle unit site for additional information.	

### Week 5 - 01 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Session 5 | Review 1

Please refer to the Moodle unit site for additional information.

**Portfolio 1 (25%)** Due: Week 5  
Friday (5 Apr 2024) 11:45 pm AEST

### Vacation Week - 08 Apr 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

No scheduled class.

Use the time to work on an assessment or take a wellness break.

### Week 6 - 15 Apr 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Session 6 | Important tools including setting up title blocks, annotating & dimensions

Please refer to the Moodle unit site for additional information.

### Week 7 - 22 Apr 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Session 7 | Structural elements: columns, beams, structural framing

Please refer to the Moodle unit site for additional information.

### Week 8 - 29 Apr 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Session 8 | Revit Families & modelling in place

Please refer to the Moodle unit site for additional information.

### Week 9 - 06 May 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Session 9 | Review 2

Please refer to the Moodle unit site for additional information.

**Portfolio 2 (30%)** Due: Week 9  
Friday (10 May 2024) 11:45 pm AEST

### Week 10 - 13 May 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Session 10 | 3D views, perspectives & rendering

Please refer to the Moodle unit site for additional information.

### Week 11 - 20 May 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Session 11 | Using sun path tools

Please refer to the Moodle unit site for additional information.

### Week 12 - 27 May 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Session 12 | Review 3

Please refer to the Moodle unit site for additional information.

### Review/Exam Week - 03 Jun 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

No scheduled class.  
Unit review and exam period begins.

**Portfolio 3 (45%)** Due: Review/Exam  
Week Wednesday (5 June 2024) 11:45  
pm AEST

### Exam Week - 10 Jun 2024

**Module/Topic**

**Chapter**

**Events and Submissions/Topic**

Exam period concludes.

There is no exam for this unit.

## Assessment Tasks

### 1 Portfolio 1 (25%)

**Assessment Type**

Portfolio

**Task Description**

Assessment 1 relates to learning outcome 1. You will begin by manually sketching the building to meet the brief requirements. Then, you will use the template provided by the lecturer and begin to construct the building in REVIT. You will have access to a forum for you to post questions and provide constructive responses to other students to support development of drawing and drafting skills. Your Moodle submission will include your manual drawings, REVIT file and screenshots of all your forum posts. The Moodle site contains further detail on assessment and submission requirements that must be followed.

**Assessment Due Date**

Week 5 Friday (5 Apr 2024) 11:45 pm AEST

**Return Date to Students**

Week 6 Friday (19 Apr 2024)

**Weighting**

25%

**Assessment Criteria**

Your assessment submission must be in an electronic format.

Before or on the nominated due date, upload your work following the on-screen instructions from the Assessment tab shown on the unit Moodle site. Your submission will be processed through the similarity detection software, Turnitin. You may amend your work based on the detection report. You must ensure that the work is your own or has been correctly referenced to the appropriate author(s), according to the CQU requirements.

The assessment will be assessed on the following criteria:

Demonstrate information literacy skills to engage satisfactorily with selecting and applying relevant information in an academic context.

Demonstrate the core knowledge and skills associated with this unit and show appropriate application of that knowledge.

Demonstrate actions as a co-operative, productive team member that further both your own and other students' learning.

Use appropriate professional written and verbal communications.

**Referencing Style**

- [Harvard \(author-date\)](#)

**Submission**

Online

**Learning Outcomes Assessed**

- Use scale and proportion in technical drawings appropriately

## 2 Portfolio 2 (30%)

**Assessment Type**

Portfolio

**Task Description**

Assessment 2 relates to learning outcomes 1, 2 and 4. You will use REVIT families to include furnishings, annotations and structural elements in the model you created in Assessment 1. Your Moodle submission will include your manual drawings, REVIT file and screenshots of all your forum posts. You will have access to a forum for you to questions and provide constructive responses to other students to support development of drawing and drafting skills. Your Moodle submission will include your REVIT file and screenshots of all your forum posts. The Moodle site contains further detail on assessment and submission requirements that must be followed.

**Assessment Due Date**

Week 9 Friday (10 May 2024) 11:45 pm AEST

**Return Date to Students**

Week 11 Friday (24 May 2024)

**Weighting**

30%

### **Assessment Criteria**

Your assessment submission must be in an electronic format.

Before or on the nominated due date, upload your work following the on-screen instructions from the Assessment tab shown on the unit Moodle site. Your submission will be processed through the similarity detection software, Turnitin. You may amend your work based on the detection report. You must ensure that the work is your own or has been correctly referenced to the appropriate author(s), according to the CQU requirements.

The assessment will be assessed on the following criteria:

Demonstrate information literacy skills to engage satisfactorily with selecting and applying relevant information in an academic context.

Demonstrate the core knowledge and skills associated with this unit and show appropriate application of that knowledge.

Demonstrate actions as a co-operative, productive team member that further both your own and other students' learning.

Use appropriate professional written and verbal communications.

### **Referencing Style**

- [Harvard \(author-date\)](#)

### **Submission**

Online

### **Learning Outcomes Assessed**

- Use scale and proportion in technical drawings appropriately
- Produce two dimensional drawings of objects/buildings with inclusion of dimensions and annotations using drafting software
- Visually communicate a design project using standards appropriate to discipline.

## **3 Portfolio 3 (45%)**

### **Assessment Type**

Portfolio

### **Task Description**

Assessment 3 relates to learning outcomes 1, 2, 3 and 4. You will use rendering and perspective tools to create 3D views. You will also use the sun path tools to model and support reflection on climate appropriate design strategies. You will have access to a forum for you to post questions and provide constructive responses to other students to support development drawing and drafting skills. Your Moodle submission will include your REVIT file, final plans and screenshots of all your forum posts. The Moodle site contains further detail on assessment and submission requirements that must be followed.

### **Assessment Due Date**

Review/Exam Week Wednesday (5 June 2024) 11:45 pm AEST

### **Return Date to Students**

Friday 28 June 2024

### **Weighting**

45%

### **Minimum mark or grade**

20/45

### **Assessment Criteria**

Your assessment submission must be in an electronic format.

Before or on the nominated due date, upload your work following the on-screen instructions from the Assessment tab shown on the unit Moodle site. Your submission will be processed through the similarity detection software, Turnitin. You may amend your work based on the detection report. You must ensure that the work is your own or has been correctly referenced to the appropriate author(s), according to the CQU requirements.

The assessment will be assessed on the following criteria:

Demonstrate information literacy skills to engage satisfactorily with selecting and applying relevant information in an academic context.

Demonstrate the core knowledge and skills associated with this unit and show appropriate application of that

knowledge.

Demonstrate actions as a co-operative, productive team member that further both your own and other students' learning.

Use appropriate professional written and verbal communications.

### **Referencing Style**

- [Harvard \(author-date\)](#)

### **Submission**

Online

### **Learning Outcomes Assessed**

- Use scale and proportion in technical drawings appropriately
- Produce two dimensional drawings of objects/buildings with inclusion of dimensions and annotations using drafting software
- Create a three dimensional (3D) model relevant to your chosen discipline using drafting software
- Visually communicate a design project using standards appropriate to discipline.



## 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