

Profile information current as at 22/05/2024 04:40 am

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 Procedure (Higher Education Coursework)</u>.

Offerings For Term 1 - 2019

• 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. Written Assessment

Weighting: Pass/Fail

2. Written Assessment

Weighting: 30%

3. Written Assessment

Weighting: 30%

4. 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 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 Staff and student feedback

Feedback

The online tutorials were beneficial to students.

Recommendation

Recommend online tutorials be continued.

Feedback from Student feedback

Feedback

Assessment task explanation and marking criteria could be improved.

Recommendation

Task description and marking criteria will be updated and provided in week 1.

Feedback from Student feedback

Feedback

The distribution of time allotted to the topics could be improved.

Recommendation

The schedule for the unit will be checked and updated.

Feedback from Student feedback

Feedback

Assessment feedback could not be found.

Recommendation

All assessment feedback is available via the assessment links. The Moodle system is set to send students an email when the assessments are graded. For the next term, in addition to the automatic email, a general news item will be posted on the Moodle site informing students when feedback is available.

Feedback from Student feedback

Feedback

The materials could be improved for those with no AutoCAD experience and for some other parts of the unit.

Recommendation

Recommend unit material be reviewed and improved where needed. And provide links to the large amount of Autodesk tutorials and other help to supplement the unit's textbook, videos and online tutorial sessions.

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

N/A Level Introductory Level Graduate Level Professional Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Written Assessment - 0%	•	•	•	•	•	•
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							•	•	•	٠
7 - Cross Cultural Competence										
8 - Ethical practice										•
9 - Social Innovation										
10 - Aboriginal and Torres Strait Islander Cultures										
10 - Aboriginal and Torres Strait Islander Cul	tures									
10 - Aboriginal and Torres Strait Islander Cul Alignment of Assessment Tasks to		ibut	es							
	Graduate Attr	ibut aduat		ribute	es					
Alignment of Assessment Tasks to	Graduate Attr	raduat		ribute	es 5	6	7	8	9	10
Alignment of Assessment Tasks to	Graduate Attr Gr	raduat	te Att			6	7	8	9	10
Alignment of Assessment Tasks to Assessment Tasks	Graduate Attr Gr 1	raduat 2	te Att	4	5		7		9	10
Alignment of Assessment Tasks to Assessment Tasks 1 - Written Assessment - 0%	Graduate Attr Gr 1	raduat 2	3	4	5		7	•	9	10

Textbooks and Resources

Textbooks

ENAG11009

Prescribed

Engineering Graphics with AutoCAD 2017

Edition: 1st (2017) Authors: Bethune, J

Pearson

Upper Saddle River, NJ, USA ISBN: 9780134506968 Binding: Other

Additional Textbook Information

Do you already have experience in Drafting and AutoCAD? If yes then you might not need to do this unit as you may be eligible for credit transfer (also known as unit 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 Term 1 credit transfer applications is ~ January 2019, if you miss this date you could unenroll from the unit and apply in the Term 2 credit transfer round. For more information contact the 'CQU Student Advice' team via: https://www.cqu.edu.au/courses/credit-transfer-and-rpl/credit-transfers who can give you the latest information on the process.

The Textbook is used extensively in the unit with readings and required activites each week. It is strongly suggested students purchase the textbook. But the textbook purchase is not compulsory, any compulsory exercises from the textbook are available on the unit moodle site for students wishing to use other resources. There is less expensive ebook option available from the publisher, http://www.pearson.com.au/9780134507583. However, if you prefer a print version, it is available at the CQUni Bookshop here: http://bookshop.cqu.edu.au (search on the Unit code) **Note for Mac users**: the textbook and unit materials is based on the windows version of the software so menus and icons will be different. If

you struggle with software it is recommended you use a windows based computer to do this unit.

AutoCAD Software. A free student edition is available to download from

www.autodesk.com/education/free-software/autocad. In preparation for the unit, I do suggest you install AutoCAD on your computer. CQU campus computers also have this software installed along with an off campus web version available via anydesk (https://anydesk.cqu.edu.au). To get the free student software, 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 (xxxxxxxxx@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: https://www.autodesk.com/education/free-software/autocad. Then follow the prompts to download and install AutoCAD 2017 as the book is based on this version. Ensure your computer meets the AutoCAD 2017 system requirements. You are most welcome to download and use other versions like AutoCAD 2016, 2018 or 2019, 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.

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 (xxxxxxxx@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 as the book is based on this version. Ensure your computer meets the AutoCAD 2017 system requirements. You are most welcome to download and use other versions like AutoCAD 2014, 2015, 2016 or 2018, 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

Nur Hassan Unit Coordinator n.hassan@cqu.edu.au

Schedule

Week 1 - 11 Mar 2019

Module/Topic

Introduction to AutoCAD, Basic Commands	Chapter 1 and 2	
Week 2 - 18 Mar 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Advanced AutoCAD Commands	Chapter 3	
Week 3 - 25 Mar 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Sketching and Australian Standards	Chapter 4 and AS1101	
Week 4 - 01 Apr 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Orthographic Views	Chapter 5	
Week 5 - 08 Apr 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Sectional Views	Chapter 6 and 7	Drawing Folio Progress Submission (Due: Week 5 Monday 11:55 pm AEST, 8th April 2019)
Vacation Week - 15 Apr 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Use this week to catch up and work ahead.		
Week 6 - 22 Apr 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Working with Symbol Libraries and Blocks	An additional chapter is provided on the moodle site	Assignment 1 Due: Week 6 Tuesday (23 Apr 2019) 11:55 pm AEST
Week 7 - 29 Apr 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Dimensioning, Tolerances and Threaded Fasteners	Chapters 8, 9, 10 and 11	
Week 8 - 06 May 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Working Drawings	Chapter 12	
Week 9 - 13 May 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Fundamentals of 3D Drawing	Chapter 14	Assignment 2 Due: Week 9 Monday (13 May 2019) 11:55 pm AEST
Week 10 - 20 May 2019		
Module/Topic	Chapter	Events and Submissions/Topic
3D Modelling	Chapter 15	
Week 11 - 27 May 2019		
Module/Topic	Chapter	Events and Submissions/Topic
3D Modelling Continued	Chapter 15	
Week 12 - 03 Jun 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Unit Review		
Review/Exam Week - 10 Jun 2019		
Module/Topic	Chapter	Events and Submissions/Topic

Drawing Folio Due: Review/Exam Week Monday (10 June 2019) 11:55

pm AEST

Exam Week - 17 Jun 2019

Module/Topic

Chapter

Events and Submissions/Topic

Assignment 3 Due: Exam Week Monday (17 June 2019) 11:55 am AEST

Term Specific Information

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 11.55 pm Monday Week 5 (8th April, 2019)</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 11:55pm Monday Review/Exam Week (10 June 2019).

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 (10 June 2019) 11:55 pm AEST

Return Date to Students

Feedback on the Progress Drawing Folio will be given in Week 6. The grade and possible feedback for the Drawing Folio will be provided 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 attempt 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 (23 Apr 2019) 11:55 pm AEST

Return Date to Students

Week 8 Tuesday (7 May 2019)

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 9 Monday (13 May 2019) 11:55 pm AEST

Return Date to Students

Week 11 Monday (27 May 2019)

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 Monday (17 June 2019) 11:55 am 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.
- 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

- 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?



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