ENVR11011 *Fundamentals of Environmental Science*
Term 1 - 2018

Profile information current as at 09/05/2024 01:21 am

General Information

Overview
This unit aims to develop an awareness of the value of the application of scientific knowledge and methods to problems of environmental concern. This unit is designed to be of interest to both non-science and science majors. Topics covered are: The environment, human population, resources and pollution; ecosystems, community structure and genetic diversity; structure of the atmosphere and air pollution; energy - alternate sources and conservation; and nuclear power and environmental consequences and waste management.

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 - 2018

- Bundaberg
- Distance
- Rockhampton

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. **Group Discussion**
Weighting: 20%
2. **Practical and Written Assessment**
Weighting: 20%
3. **Presentation**
Weighting: 20%
4. **Online Test**
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 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 Formal unit evaluation responses, informal student emails.

Feedback

Students generally enjoyed the unit - its structure, content, and delivery. Components complimented this offering included several of the assessment tasks (assessable questions forums, audit, online test), the comprehensive content delivered, and the lecturer's support (tutorials, animations, Wayne's world, clarity and engagement, practical and relevant approach)

Recommendation

These aspects will be maintained, reviewed for improvement, and enhanced where possible.

Feedback from Formal unit evaluation responses.

Feedback

Some students highlighted important deficiencies in assignment return, clarity of group discussion forum instruction, lecture length, and the availability of 'tick boxes'.

Recommendation

Upload of marked assignments and feedback will be double-checked for successful operation and formal notification of return provided (as trialed in another unit) implemented. Instructions and tasks for group discussion forums will be made clearer and less complex, with the role of 'model answers' made more explicit. Lecture length will be reviewed and changed. The availability of 'tick boxes' will be explored.

Unit Learning Outcomes

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

1. Apply scientific understanding to a discussion of environmental problems.
2. Evaluate possible solutions to environmental problems.
3. Communicate the scientific basis of environmental processes to general audiences.
4. Use practical skills for the scientific study of the environment.
5. Acquire, interpret, present and report basic experimental data.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

— N/A Level ∘ Introductory Level • Intermediate Level • Graduate Level ∘ Professional Level ∘ Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Practical and Written Assessment - 20%	•	•		•	•
2 - Presentation - 20%	•	•	•		
3 - Online Test - 40%	•	•			

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
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					

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Group Discussion - 20%	•	•	•							
2 - Practical and Written Assessment - 20%	•		•	•		•				
3 - Presentation - 20%	•	•		•	•	•		•		
4 - Online Test - 40%	•	•	•							

Textbooks and Resources

Textbooks

ENVR11011

Prescribed

Environment: the science behind the stories.
latest edition (latest edition)
Authors: Withgott JH & Laposata M
Benjamin Cummings (imprint of Pearson)
San Francisco , CA , USA
Binding: Paperback

Additional Textbook Information
If you are reading this, you are contemplating joining us in *ENVR11011 Fundamentals of Environmental Science* - please do, and welcome! This book is the prescribed text for this unit, and you really will use it! It covers many of our unit topics well, and and is written in an easily read style. For the same reasons, this text also is the prescribed text in the second term unit *ENVR11012 Applications of Environmental Science* (the sibling course to ENVR11011). At this stage the print version is only available in a 5th edition, and is available at the CQUni Bookshop here: http://bookshop.cqu.edu.au However, a 6th edition eBook is available directly from the publisher's website here: http://www.pearson.com.au/9780134446400

View textbooks at the CQUniversity Bookshop

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- A good brain willing to explore new and old concepts!
- Recent computer/laptop with sufficient hard drive & memory size & processing speed, plus adequate Internet access and connection reliability to facilitate significant uploads/downloads/video streaming and sustained lengthy connections (e.g. lecture downloads, real time oral presentations conference), with microphone and speakers (built-in or external) OR microphone+speaker headset (approx. maximum cost $20 for adequate cheap set).
- Recent (not necessarily latest) computer software including Microsoft Word, Excel and PowerPoint; capability to facilitate Zoom online conferencing.

Referencing Style

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

Teaching Contacts

Bret Heath Unit Coordinator
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Schedule

Week 1 - 05 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Unit welcome and introduction. Fundamentals I: Concepts underpinning the discipline of Environmental Science.	Textbook Ch 1.	Introduce yourself in this week's 'Forum posts (Group discussion of fortnightly assessable questions)'.

Week 2 - 12 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Fundamentals II: Demography, and the environmental problem of people.	Textbook Ch 8.	Your 'Online oral presentation' assessment Task 1 of 3 is to be undertaken: nominations for your 'Online oral presentation' assessment session times open at 2345 hrs (11.45 pm) AEST this Friday 16 March, 2018.

Week 3 - 19 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Fundamentals III: The chemistry and physics of Earth systems.	Textbook Ch 2.	Your Week 3 Forum Post (Group discussion of fortnightly assessable questions) assessment opens at 0900 hrs (9.00 am) AEST this Monday 19 March 2018 and closes at 0900 hrs (9.00 am) AEST the next Monday 26 March 2018. Your 'Home Sustainability Audit (HSA)' assessment Task 1 of 3 is to be undertaken: conduct your audit beginning at 2359 hrs (11.59 pm) AEST this Friday night 23 March 2018 through to and ending at 2359 hrs (11.59 pm) AEST this Sunday night 25 March 2018.

Week 4 - 26 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Fundamentals IV: Biological resources and interactions.	Textbook Ch 3 & 4.	Your 'Home Sustainability Audit (HSA)' assessment Task 2 of 3 is to be undertaken: submit (as draft) online worksheets and spreadsheets completed for HSA Task 1, and download instructions and information for analysis before 2345 hrs (11.45 pm) AEST this Thursday night 29 March 2018. Your 'Online oral presentation' assessment Task 1 of 3 is to be completed: nominations for your 'Online oral presentation' assessment session times close at 2345 hrs (11.45 pm) AEST this Thursday 29 March, 2018.

Week 5 - 02 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Major global issue: Fuels and energy consumption	Textbook Ch 19.	Your Week 5 Forum Post (Group discussion of fortnightly assessable questions) assessment opens at 0900 hrs (9.00 am) AEST this Tuesday 3 April 2018 (due to Easter) and closes at 0900 hrs (9.00 am) AEST the next Tuesday 10 April 2018.

Vacation Week - 09 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Nil.	Nil.	Nil.

Week 6 - 16 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic

Major global issue: Alternative energy solutions.	Textbook Ch 20 & 21.	Your 'Home Sustainability Audit (HSA)' assessment Task 3 of 3 is to be undertaken: submit your final report and all required items (the product of Task 2) via Moodle before 2345 hrs (11.45 pm) AEST this Tuesday night 17 April 2018.

Week 7 - 23 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Major global issue: Mining and resource extraction.	Textbook Ch 23.	Your Week 7 Forum Post (Group discussion of fortnightly assessable questions) assessment opens at 0900 hrs (9.00 am) AEST this Monday 23 April 2018 and closes at 0900 hrs (9.00 am) AEST the next Monday 30 April 2018.

Week 8 - 30 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Major global issue: Air pollution.	Textbook Ch 17.	Your 'Online oral presentation' assessment Task 2 of 3 is to be undertaken:construct and submit your completed PowerPoint slide presentation (that you will speak to in your oral presentation session) via Moodle before 2345 hrs (11.45 pm) AEST this Thursday night 3 May 2018.

Week 9 - 07 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Major global issue: Accelerated climate change.	Textbook Ch 18.	Your 'Online oral presentation' assessment Task 3 of 3 is to be undertaken: you will present your online oral presentation during your allocated presentation session sometime this week (confirmed session times will be published on Moodle). Your Week 9 Forum Post (Group discussion of fortnightly assessable questions) assessment opens at 0900 hrs (9.00 am) AEST this Monday 7 May 2018 and closes at 0900 hrs (9.00 am) AEST the next Monday 14 May 2018.

Week 10 - 14 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Major global issue: Waste (part 1 - waste generation).	Textbook Ch 22.	

Week 11 - 21 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Major global issue: Waste (part 2 - waste management).	Textbook Ch 22.	Your Week 11 Forum Post (Group discussion of fortnightly assessable questions) assessment opens at 0900 hrs (9.00 am) AEST this Monday 21 May 2018 and closes at 0900 hrs (9.00 am) AEST the next Monday 28 May 2018.

Week 12 - 28 May 2018

Module/Topic	Chapter	Events and Submissions/Topic

Major global issue: Sustainable communities (and brief unit review).	Textbook Ch 24.	Your end of term 'Online test' assessment is to be undertaken: complete your test which opens online in Moodle at 2345 hrs (11.45 pm) AEST this Thursday night 31 May 2018 and closes at 2345 hrs (11.45 pm) AEST this Saturday night 2 June 2018. Your completed test must be submitted online via Moodle before the test closes. It is important to allow at least six (6) hours in which to complete this assessment task.
Review/Exam Week - 04 Jun 2018		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
There is no formal Examination assessment in this unit (but there is an end-of-term 'Online test' assessment requirement - see Week 12).	Nil.	Nil.
Exam Week - 11 Jun 2018		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
There is no formal Examination assessment in this unit (but there is an end-of-term 'Online test' assessment requirement - see Week 12).	Nil.	Nil.

Assessment Tasks

1 Forum Posts (Group discussion of fortnightly assessable questions)

Assessment Type
Group Discussion

Task Description
Forum Posts - group discussion of fortnightly assessable questions (20%)
You will need to access the specific requirements, dates, and resources published on our Moodle site, however a general description is published here.
Every other week of the term, beginning in Week 1, you are required to participate in an online discussion (specific instructions provided with each forum) that, when possible, will relate to and add extra insight to the previous two weeks' lecture content. Not only are forums designed to enhance content learning, but they also will guide you in a stepped manner towards how to think about issues in environmental science and how to be successful in the Week 12 online test. Access the forum for the current week, once it has opened, via the link published in that week's tasks on the unit Moodle site, and follow the specific instructions for that particular forum task. A 'model' answer and other feedback will be posted once the period for student posts has closed and within a week. Posts after the closure date of a forum will not receive any marks. Forum responses in Weeks 3, 5, 7, 9, and 11 will attract a maximum of 4 marks each.
There is a word limit on each post of 500 words, excluding citations. Dot points are acceptable when appropriate.
Unit history indicates a strong relationship between student participation (especially forum participation) and student success in this unit.

Assessment Due Date

Forums will open at 0900 hrs (9.00am) AEST on Monday of weeks 3, 7, 9 and 11 and each forum will close one week later at 0900 hrs (9.00am) AEST on the Monday of weeks 4, 8, 10 and 12, respectively. Because of Easter Monday, the Week 5 forum will open on the Tuesday of Week 5 at 0900 hrs (9.00am) AEST and close one week later at 0900 hrs (9.00am) AEST on the Tuesday of week 6.

Return Date to Students

Forum posts will be read in detail and feedback provided on a fortnightly basis. All marks for this assessment activity will be collated and made available in Week 12.

Weighting
20%

Minimum mark or grade
40%

Assessment Criteria
You will be graded in this assessment on your constructive participation rather than solely on the accuracy of your answer (because there will be no single correct or complete answer possible by you).
Note that 'constructive participation' is defined here as providing a reasoned rationale based on environmental science principles and supported by evidence (**not** just stating agreement or disagreement with an earlier post or the topic question), and means a post must include some new (to the forum) relevant information (**not** simply restating or paraphrasing the views expressed in earlier posts to the forum).
Note that the Week 1 forum is not graded but please contribute just the same. You should participate constructively and within the relevant time frames in the remaining 5 forums to score full marks (*i.e.*, at 4 marks per forum for a maximum 20% of total unit marks).

- 1 mark — typically response(s) marred by multiple simple spelling or grammatical mistakes and/or is disorganised without clear points made or obvious reasoning and/or is a brief and superficial treatment of the issue or shows little relevance;
- 2 marks — typically response(s) marred by several spelling or grammatical errors and/or by no citation of sources, and only a few relevant points or arguments made (or more made but insubstantially) often not integrated well;
- 3 marks — typically response(s) displaying only a few spelling or grammatical errors, otherwise well-organised and considered/reasoned, exploring the issue adequately but sources are limited and only textbooks and generalist websites and the like; and
- 4 marks — typically response(s) display only a couple of spelling or grammatical errors, excellent organisation of clear, salient and reasoned points and arguments of significant length exploring the issue considerably, citing numerous scientific sources and in the proper manner.

Please note there is a minimum achievement level set for this assessment task, i.e., you must equal or exceed the set minimum achievement level for this assessment in order to be considered for a passing grade for the course overall (irrespective of your achievement level in other assessment activities).

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Considering the assessment criteria, make at least one post to each fortnightly 'Forum Post (group discussion of fortnightly assessable questions)' before that discussion closes.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking

2 Home Sustainability Audit (HSA)

Assessment Type
Practical and Written Assessment

Task Description
Home Sustainability Audit (HSA, 20%)
You will need to access the specific requirements, dates, and resources published on our Moodle site (click on the appropriate link in the 'Assessment' box), however a general description is published here.
This assessment requires you to conduct a home sustainability audit (HSA) of your 'home' and your activities (e.g., resource consumption, waste generation and disposal) over a weekend (from 2359 hrs AEST Fri 23 Mar to 2359 hrs AEST Sun 25 Mar 2018), and to use those data to put your personal ecological footprint into context. You will be able to perform the HSA irrespective of your location at the time - even if you are on a mine site, in college accommodation, etc. - this location will represent your 'home' at the time for the purposes of this activity. If you have questions about what constitutes 'home', please email me.
This assessment activity involves three related tasks, with each task requiring completion on a different date, as follows.
1. Undertake the home sustainability audit (HSA) by recording the required data and answers to questions in worksheets and Excel spreadsheets downloaded from the Moodle site. The audit period for all students will be from 2359 hrs (11.59 pm) AEST Friday night 23 March, 2018 through to 2359 hrs (11.59 pm) AEST Sunday night 25 March, 2018.

2. Upload the completed worksheets and spreadsheets to our Moodle site (as draft submissions) by 2345 hrs (11.45 pm) AEST Thursday night 29 March, 2018. At the same time, download from our Moodle site further data and information provided by the lecturer for the purposes of putting your audit data into context and completing your final report (Task 3 below).
3. Complete your HSA final report according to instruction provided, and upload your final report (data, graphs/charts, and answers to provided questions) by 2345 hrs (11.45 pm) AEST Tuesday night 17 April, 2018. Uploading your final report completes the Home Sustainability Audit assessment task.
Please note that it is assumed you have basic word processing and chart construction skills using *Microsoft Word* and *Excel*, respectively. Short videos on these topics are available on the Environmental Science Gateway Moodle site and assistance is available from CQU Academic Learning Centre (ALC).

Assessment Due Date

Home Sustainability Audit (HSA) Task 1 of 3 — Undertake home sustainability audit over two days continuously (beginning 2359 hrs (11:59 pm) AEST Friday 23 March, 2018 and ending 2359 hrs (11:59 pm) AEST Sunday 25 March, 2018); HSA Task 2 of 3 — Submit your completed HSA worksheets and spreadsheets via Moodle before 2345 hrs (11:45 pm) AEST Thursday, 29 March, 2018; HSA Task 3 of 3 — Upload and submit your final report, including all required components, to Moodle before 2345 hrs (11:45 pm) Tuesday, 17 April, 2018.

Return Date to Students

Marked assignments will be returned to students and grades will appear in Moodle gradebook.

Weighting
20%

Minimum mark or grade
40%

Assessment Criteria
Tasks 2 and 3 will be assessed and marks gained will contribute to your total. Task 2 (assessment uses criterion 1 below) and Task 3 (assessment uses criteria 2-4 below) together will provide you with a total mark (out of 20 possible marks) for the entire assessment activity.
Assessment criteria (5 marks each):

1. Evidence of your ability to collect (*i.e.* Task 1), collate and present data accurately and in a manner interpreted easily by others;
2. Your demonstrated knowledge of scientific content related to issues of energy, water, waste and accelerated climate change as appropriate to our coverage in the course lectures, your ability to research the relevant topic areas in our textbook and elsewhere, and your answers to questions asked;
3. Your demonstrated ability to find information and evidence from your spreadsheets, documents and lecture notes, and elsewhere, and to apply this to higher-level questions provided to you (such as those questions asking for your 'educated opinion' as a trainee environmental scientist, etc.); and
4. Evidence of your ability to communicate scientifically and clearly using appropriate terminology, the quality of your writing and technical presentation skills, and the correct use of references, formatting of references and bibliography.

Please note there is a minimum achievement level set for this assessment task, i.e., you must equal or exceed the set minimum achievement level for this assessment in order to be considered for a passing grade for the course overall (irrespective of your achievement level in other assessment activities).

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
There will be multiple links on Moodle for this task. Please pay close attention to instructions provided on ourMoodle site throughout the term, and to required (multiple) task completion and submission dates.

Learning Outcomes Assessed

- Apply scientific understanding to a discussion of environmental problems.
- Evaluate possible solutions to environmental problems.
- Use practical skills for the scientific study of the environment.
- Acquire, interpret, present and report basic experimental data.

Graduate Attributes

- Communication
- Critical Thinking
- Information Literacy
- Information Technology Competence

3 Online Oral Presentation

Assessment Type
Presentation

Task Description
Online Oral Presentation at the 'Annual ENVR11011 Conference' (20%)
You will need to access the specific requirements, dates, advice and resources published on our Moodle site (click on the appropriate link in the 'Assessment' box), however a general description is published here.
This assessment requires you to prepare a *PowerPoint* presentation on a topic of your choice (but within the requirements laid out on our Moodle site). This will be delivered online and orally to a live audience of other ENVR11011 students and a member of the teaching team. You also must attend your presentation session (see below) and view all other presentations in your session.
This assessment activity involves three related tasks, with each task requiring completion on a different date, as follows.

1. Nominate your preferred presentation session (nominations open at end of Week 2 and close in Week 4);
2. Complete and submit your completed *PowerPoint* slide presentation (that you will speak to in your oral presentation session) via Moodle before 2345 hrs (11.45 pm) AEST Thursday night 3 May 2018; and
3. Attend the entirety of your nominated 'conference' session (which includes your presentation) in Week 9.

The setting for this assessment activity is the 'Annual ENVR11011 online conference', a mock online environmental conference that will run over a series of days in Week 9. Like a 'real' conference, this conference will be divided into sessions, within which you and your fellow students will present. You will be able to nominate (via our Moodle site) which of the conference sessions you would like to present in (whichever suits your other commitments). There will be week day, evening, and weekend slots from which to choose. However, numbers permitted in each session will be limited so choose early for most convenience. (You can change your nominated session should your circumstances change.) Session nominations will be open from the end of Week 2 until Thursday, Week 4 and your session choice will be confirmed in Week 5.
You will be required to attend your online 'conference' session 10 minutes before the published start time (allows for system checks), and to remain in attendance for the allocated time (typically 2+ hours, maximum 3 hours). In order to present your work and participate in the conference, you will employ an online conferencing system known as *Zoom* (free). Details of how to access and use *Zoom* will be provided on our Moodle site.
You only will transmit your PowerPoint slides and audio during your presentation. This will minimise bandwidth to ensure students with poor internet connection are not disadvantaged, and will ease presentation anxiety.

Assessment Due Date

Online oral Presentation Task 1 - Nominate your preferred presentation session (nominations open at the end of Week 2 and close 2345 hrs (11:45 pm) AEST Thursday night, 29 March, 2018; Task 2 - construct and submit your completed PowerPoint slide presentation by 2345 hrs (11.45 pm) AEST Thursday 3 May, 2018; Task 3 - Attend the entirety of your confirmed nominated 'conference' session in which you deliver your presentation (Week 9).

Return Date to Students

General feedback delivered in-session, but marks and personal feedback delivered in Moodle only after completion of assessment activity by entire class.

Weighting
20%

Minimum mark or grade
40%

Assessment Criteria
Your online oral presentation will be assessed using the following criteria:

1. Have you accurately identified and explained adequately the environmental problem/need for a modified approach (i.e., what is the problem?) (10 marks);
2. Have you identified and explained adequately the scientific background of this environmental problem/need for a modified approach (i.e., the science of why it is a problem) (10 marks);
3. Have you described adequately the new 'approach' (10 marks);

4. Have you described adequately, with scientific evidence, how the implemented new 'approach' reduced or fixed the problem (10 marks);
5. Have you developed a high quality presentation including staying within prescribed constraints (10 marks); and
6. Have you handled questions ably and demonstrated extended knowledge and research of your topic area and the related scientific principles (10 marks).

Please note 'pretty' slides do not attract more marks, but clear presentations with simple text, good quality pictures or diagrams, and simple design, etc., are much more desirable!! Information to help you with this will be available on Moodle.
The criterion sheet/marking sheet to be used for this assessment will be available on our Moodle site.
Please note there is a minimum achievement level set for this assessment task, i.e., you must equal or exceed the set minimum achievement level for this assessment in order to be considered for a passing grade for the course overall (irrespective of your achievement level in other assessment activities).

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Nominate online your preferred 'conference' session (in which you will present in Week 9); research your topic (chosen using the guidelines) and construct and upload your finished PowerPoint slides (only your slides and not the actual text of your spoken presentation) to be used in your oral presentation; and attend your confirmed preferred 'conference' session and deliver your online oral presentation to 'conference' attendees.

Learning Outcomes Assessed

- Apply scientific understanding to a discussion of environmental problems.
- Evaluate possible solutions to environmental problems.
- Communicate the scientific basis of environmental processes to general audiences.

Graduate Attributes

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

4 Week 12 End-of-term Online Test

Assessment Type
Online Test

Task Description
Week 12 End-of-term Online test (final summary assessment of content from ENVR11011) (40%)
This test may take up to 6 hours to complete successfully. Please plan accordingly.
You will need to access the specific requirements, dates, advice and resources published on Moodle (click on the appropriate link in the 'Assessment' box), however a general description is published here.
In Week 12, you will complete and submit an online test presented to you electronically via our Moodle site. The test consists of three (3) scenario-style questions, each worth a maximum of fifty (50) marks drawn randomly from a question bank. The test will total a maximum 150 marks. Each question will comprise a number of parts that attempt to elicit critically reasoned and evidence-based answers from you based on information presented in the unit. Each of your answers should be no more than 800 words (excluding the questions and sub-questions). The maximum number of marks achievable will be indicated for all questions and their parts. This test is 'open book', however, your answers must be your own and references or external sources must be cited appropriately to avoid loss of marks for plagiarism or weak paraphrasing.
The test will open to all students at 2345 hrs (11.45 pm) AEST Thursday night, 31 May, 2018 and you will have a maximum period of 48 hours from that time in which to complete and submit this assessment activity. You will be required to complete and submit your answers online (via Moodle) before 2345 hrs (11.45 pm) AEST Saturday night, 2 June, 2018. Whilst you will have essentially all day Friday and Saturday to peruse and complete the test, **please allocate at least 6 hours in order to complete this assessment successfully plus additional time to accommodate any unforeseen circumstances.**

Assessment Due Date

The online test questions will be available via our Moodle site from 2345 hrs (11.45 pm) AEST on Thursday night 31 May 2018. Final submissions are due anytime within the ensuing 48 hours and before 2345 hrs (11.45 pm) AEST on Saturday night 2 June 2018.

Return Date to Students

As the final assessment for the unit, online test marks cannot be published until unit total marks and grades are moderated and certified formally (released upon certification of grades).

Weighting
40%

Minimum mark or grade
40%

Assessment Criteria
The maximum number of marks achievable will be indicated for all questions and their parts. Each major point/scientifically accurate 'fact'/scientifically valid point in your reasoning or rationale (as directly relevant to the question and topic studied in the unit) will accrue one mark. In this way, you will be marked on your demonstration of knowledge of unit content, and your ability to apply your knowledge to authentic but unfamiliar situations or problems, and you can accrue marks up to the maximum indicated for that part of a question. A guide to features of different quality answers (from 'Fail' to 'High Distinction') will be published on our Moodle site.
Please note failure to submit responses or the entire test (for whatever reason) will be equivalent to not attempting that portion of the test. Also, any submissions (including updated versions) received (by any form of communication/transmission) after the 48-hour period for submissions has closed cannot be accepted and will be deemed 'failure to submit'.
Please note there is a minimum achievement level set for this assessment task, i.e., you must equal or exceed the set minimum achievement level for this assessment in order to be considered for a passing grade for the course overall (irrespective of your achievement level in other assessment activities).

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Access and view, as soon as you can, the online test questions after they are made acccessible on our Moodle site (2345 hrs (11.45 pm) AEST Thursday night, 31 May 2018, i.e., the beginning of the 48-hour period for test completion and submissions), prepare your answers and enter them into the online answer form (saving them electronically and regularly), and then submit online well in advance of the deadline for submissions (2345 hrs (11.45 pm) AEST Saturday night, 2 June 2018) so as to avoid any IT or other problems/mishaps.

Learning Outcomes Assessed

- Apply scientific understanding to a discussion of environmental problems.
- Evaluate possible solutions to environmental problems.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking

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