



# ENVS8229

## Sustainable Cities

Session 2, Special circumstances, On location at placement 2021

*Archive (Pre-2022) - Department of Earth and Environmental Sciences*

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#### Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

#### Session 2 Learning and Teaching Update

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

## General Information

Unit convenor and teaching staff

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Credit points

10

Prerequisites

Admission to MEnv or MSc or GradDipEnv or GradCertEnv or MEnvPlan or MPlan or MConsBiol or MPH or MMarScMgt or MScInnovationEnvSc or MSusDev

Corequisites

Co-badged status

ENV58229 online

Unit description

This unit examines scientific and technical principles related to the management of sustainable cities. Major themes include city biodiversity and blue-green infrastructure (e.g. green walls and living seawalls), waste management (e.g. scientific innovation to support a circular economy and smart sensing technologies), air, land and water pollution (e.g. regulation and reduction through water sensitive urban design), and resource management (e.g. urban agriculture and vertical farming). The challenges for sustainable cities in a changing climate will be explored through each major theme. Different local, national and international case studies will be explored to demonstrate key concepts in the science and management of sustainable cities. The unit includes a field trip where students will apply their knowledge to enhance sustainability in an urban context.

## Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

## Learning Outcomes

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

**ULO1:** demonstrate an understanding of the socio-technical principles affecting the planning and management of sustainable cities

**ULO2:** apply your understanding of sustainable cities to critically evaluate relevant case studies

**ULO3:** identify and assess the interests, roles and responsibilities of stakeholders involved in making cities sustainable

**ULO4:** demonstrate individual and group writing and research skills for different target audiences

## General Assessment Information

Assignments are the means used to assess if you have reached the learning outcomes for the unit. The criteria by which the assignment will be marked are made clear in each case. **As a rough guide, 10 marks is equivalent to about 10 hours of quality work.**

Evidence of wide and comprehensive reading is required, drawing on journals, international examples, thought pieces, and reports. All ideas must be cited inclusive of the source/author. See notes on academic honesty in the Unit Guide. Unless otherwise stated in the detailed assessment guide, any recognised referencing style may be used so long as it is consistent and accurate.

Detailed information on the assessments tasks, marking criteria, and supporting resources will be provided via the iLearn site. Assessment marks and feedback will generally be provided within 4 weeks after submission.

### Submitting assignments

All assignments must be submitted electronically on the iLearn site.

Each assignment has a separate upload site. The assignment site will usually be a 'Turnitin', where your work is reviewed for similarity to websites, articles or other students' work. If you have not given credit for ideas used to the author or source you will be penalised (failure of the assignment and reporting to a disciplinary committee to determine whether you have breached the University's Academic Integrity Policy: <https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/academic-integrity>). See information on academic honesty on the iLearn site and techniques on how to avoid common plagiarism errors (<https://www.students.mq.edu.au/public/download.jsp?id=201272>).

You do not need an assignment cover sheet for electronic submission to ENV58229, it is understood that you are signing a declaration of honesty. Be sure to add your name, title of work and unit to your work.

### Assessment Criteria

Assessment at Macquarie University is standards-based, as outlined in the [Assessment Policy](#). This means that your work will be assessed against clear criteria, and these criteria (e.g. in a rubric) will be made available when the assessment tasks are released to you on iLearn.

### Marking of Assessments

Assignments will usually be marked through Turnitin with grades provided through Gradebook on iLearn. Please do not submit your assessments via email or in hard copy unless requested (e.g. a sketch or drawing).

We aim to return your assessment grades and feedback within four weeks of the date that you submitted it. We appreciate your patience and will advise you through iLearn when your marked assessments and feedback are available for viewing.

### Penalties for Late Assessments

The penalty for late submission of assessments in this unit is **ten percent (10 %) of the assessment value per day**, calculated from the due time and date. This means that if the assignment is worth a total of 30 marks (or 30 % of the unit) you will lose 3 marks for each day it is late. This is a hefty penalty designed to make you aware of the importance of organising yourself around assessment due dates. The penalty will be applied over weekdays and weekends **unless you have been granted an extension prior to the due date**.

### Extensions for Assessments

To obtain an extension for an assessment task, you will need to follow the formal process as outlined in the [Special Consideration Policy](#), and you must provide appropriate supporting evidence (e.g. medical certificate - see advice for [Special Consideration](#) requests). The final decision regarding the granting of an extension lies with the unit convenor. Permission for extensions must be sought **before the due date** unless there are exceptional circumstances. Please let us know of problems in advance or as soon as possible, not after the event. We are likely to be much more sympathetic and able to accommodate your circumstance if you follow this advice.

## Assessment Tasks

Name	Weighting	Hurdle	Due
<a href="#">In class quizzes</a>	20%	No	Weeks 5 and 12
<a href="#">Data report</a>	30%	No	Weeks 7 and 8
<a href="#">Group practical exercise</a>	50%	No	Week 11

## In class quizzes

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 13 hours

Due: **Weeks 5 and 12**

Weighting: **20%**

Multiple-choice quizzes and short answer questions in class to assess knowledge of theoretical frameworks and current policy and practical approaches in sustainable cities.

On successful completion you will be able to:

- demonstrate an understanding of the socio-technical principles affecting the planning and management of sustainable cities

## Data report

Assessment Type <sup>1</sup>: Report

Indicative Time on Task <sup>2</sup>: 25 hours

Due: **Weeks 7 and 8**

Weighting: **30%**

Collection and evaluation of physical or social science data related to sustainable cities.

On successful completion you will be able to:

- demonstrate an understanding of the socio-technical principles affecting the planning and management of sustainable cities
- apply your understanding of sustainable cities to critically evaluate relevant case studies
- demonstrate individual and group writing and research skills for different target audiences

## Group practical exercise

Assessment Type <sup>1</sup>: Practice-based task

Indicative Time on Task <sup>2</sup>: 35 hours

Due: **Week 11**

Weighting: **50%**

In groups, critically evaluate sustainable city plans or strategies drawing on both theory and

practice and develop a sustainable city plan. This will have individual and group contribution with group work moderated via Sparkplus.

On successful completion you will be able to:

- demonstrate an understanding of the socio-technical principles affecting the planning and management of sustainable cities
- apply your understanding of sustainable cities to critically evaluate relevant case studies
- identify and assess the interests, roles and responsibilities of stakeholders involved in making cities sustainable
- demonstrate individual and group writing and research skills for different target audiences

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<sup>1</sup> If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the [Writing Centre](#) for academic skills support.

<sup>2</sup> Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

## Delivery and Resources

The unit is delivered by face to face and virtual mode.

Classes will be held in **21 Wally's Walk 2.300 Active Learning Space on Tuesday evenings from 4:00 - 7:00 PM**

**Zoom classes are available via the link: <https://macquarie.zoom.us/j/87997313298>**

The content is based on a weekly lecture program and tutorial activities supported by a core reading/s.

**There is a mandatory field trip scheduled for Saturday 11 September, 2021. This will be a full day and will be based within the Sydney area.** An exemption for attendance may be granted to students due to COVID or other exceptional reasons. Approval must be sought and is to be granted in advance of the 9 September.

The unit is delivered with a mixture of live and pre-recorded video lectures and inclass and online tutorials. There will also be on- and off-campus field trips spread over the semester. The teaching process includes:

- Background reading by the students
- Lecture bytes to introduce basic concepts

- Interactive group sessions to provide opportunities for experiential learning on tasks and through discussion with other class members (preparation is essential)
- Talks from guest lecturers that introduce innovations in science and technology used to make cities sustainable and the policy and planning to facilitate change
- A field trip to appreciate the practical, technical and socio-ecological aspects of sustainable cities.
- Assignments that require students to practice key skills, including critical and integrative thinking and communicating through diverse forms including writing and presenting in a logical and clearly argued manner.
- Assignments provide opportunities for presenting in different formats, working with people of different skills and cultural perspectives.

Students are expected to:

- Participate in group activities;
- Read set readings in advance for classes; and
- Follow current developments about sustainable cities in the media/ internationally.

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Grade Appeal Policy](#)
- [Complaint Management Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies \(https://students.mq.edu.au/support/study/policies\)](https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central \(https://policies.mq.edu.au\)](https://policies.mq.edu.au) and use the [search tool](#).

## Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of

Conduct: <https://students.mq.edu.au/admin/other-resources/student-conduct>

## Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit [ask.mq.edu.au](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

## Learning Skills

Learning Skills ([mq.edu.au/learningskills](http://mq.edu.au/learningskills)) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

## Student Services and Support

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

## Student Enquiries

For all student enquiries, visit Student Connect at [ask.mq.edu.au](http://ask.mq.edu.au)

If you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/).

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.