



# GEOP830

## Sustainable Urban Regions

S2 Evening 2016

*Department of Geography and Planning*

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#### **Disclaimer**

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## General Information

### Unit convenor and teaching staff

Unit Convenor

Jessica McLean

[jessica.mclean@mq.edu.au](mailto:jessica.mclean@mq.edu.au)

Lecturer

Ashraful Alam

[ashraful.alam@mq.edu.au](mailto:ashraful.alam@mq.edu.au)

Lecturer

Nicole McNamara

[nicole.mcnamara@mq.edu.au](mailto:nicole.mcnamara@mq.edu.au)

### Credit points

4

### Prerequisites

Admission to MEnvEd or PGDipEnvEd or PGCertEnvEd or MEngMgt or MEnvMgt or PGCertEnvMgt or MEnvStud or PGDipEnvStud or MEnvPlan or MEnvSc or MSusDev or PGDipSusDev or PGCertSusDev or MWldMgt or PGDipWldMgt or PGCertWldMgt or MEnv or PGDipEnv or PGCertEnv or MClmCh or MSc in Remote Sensing and GIS or PGDipSc in Remote Sensing and GIS or PGCertSc in Remote Sensing and GIS or GradDipEnv or GradCertSusDev or GradDipSusDev or GradCertSIA or GradDipSIA or GradCertEnvPlan or MConsBiol or GradDipConsBiol or MDevStudGlobalHlth

### Corequisites

### Co-badged status

### Unit description

This unit examines the social, economic and environmental challenges associated with developing sustainable cities and urban regions internationally. Opportunities and barriers to implementing more sustainable urban management and planning practices are explored. Students undertake their own case study; critically assessing response strategies and developing their own sustainability plans.

## 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:

- Understand the differences and similarities of processes and governance that shape change in diverse urban regions;
- Develop a foundation in sustainable planning with a focus on strategic issues;
- Be able to critically evaluate the effectiveness of strategies for managing and developing urban regions;
- Compile and analysis a range of qualitative and quantitative data in support of sustainable urban planning
- Give succinct and informative oral presentations
- Demonstrate understanding of contemporary transport policies and futures

## Assessment Tasks

Name	Weighting	Due
<a href="#"><u>Patterns of Urbanisation</u></a>	20%	26 August 2016
<a href="#"><u>Essay on smart transport</u></a>	30%	4 October 2016
<a href="#"><u>Smart Transport Presentation</u></a>	10%	10 October 2016
<a href="#"><u>Assessment of City Plans</u></a>	30%	3 November 2016
<a href="#"><u>Workshop Preparation</u></a>	10%	Weekly

### Patterns of Urbanisation

Due: **26 August 2016**

Weighting: **20%**

1. Report on urbanisation patterns in two continents based on UN data. 1000 words plus maps, graphs, and tables.

Understanding urbanisation patterns and prospects are key to planning sustainable cities. For this first assessment task you are required to prepare a short report on urbanisation trends between 1980 and 2050 for two continents. More guidance, including marking criteria, will be given in Week 1 and made available on iLearn.

On successful completion you will be able to:

- Develop a foundation in sustainable planning with a focus on strategic issues;
- Be able to critically evaluate the effectiveness of strategies for managing and developing

urban regions;

- Compile and analysis a range of qualitative and quantitative data in support of sustainable urban planning

## Essay on smart transport

Due: **4 October 2016**

Weighting: **30%**

*Technology and the sharing economy have converged to produce a number of new forms of transport, including, but not confined to, car sharing, Uber, RideShare, bike sharing, autonomous cars, electric vehicles and the like . Write an essay that critically assesses the sustainability potential and planning implications of **one** of these.*

*You are not expected to conduct primary research for this essay. Rather, you are to use academic and grey literature to build your argument. The reference list below is a starting point, though additional references will also be expected.*

### **Reference List - available via iLearn**

On successful completion you will be able to:

- Understand the differences and similarities of processes and governance that shape change in diverse urban regions;
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- Demonstrate understanding of contemporary transport policies and futures

## Smart Transport Presentation

Due: **10 October 2016**

Weighting: **10%**

In this assessment you will present the findings of your Smart Transport essay in class.

The presentation should adhere to the 'Three Minute Thesis' (3MT) guidelines: 3 minutes and only one powerpoint slide. Examples of 3MT can be found at: <https://www.vitae.ac.uk/events/three-minute-thesis-competition>

Presentations will be peer evaluated and assessed by unit Lecturers, using the 3MT judging criteria.

On successful completion you will be able to:

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## Assessment of City Plans

Due: **3 November 2016**

Weighting: **30%**

***The goal here is to critically assess the content and approach of city-wide sustainability plans.***

***You will produce a written report of 1500 words, including references.***

Throughout the first half of the semester you will be introduced to a number of different cities as case study examples. Use these discussions, and your wider reading, to help you choose a city. You should then collate and analyse sustainability plans for that city. The individual report you produce should include:

- the institutional context
- the scale of planning
- key mechanisms used
- what elements (e.g. transport, land use, climate change, housing, etc.) are defined as critical to sustainability.

### **Tips for Assessment Task 4:**

- Include an executive summary, introduction, a body (main argument) and a conclusion (answer the question).
- Consider the use of tables and diagrams to summarise your information.
- Comply with the word count and condense your work to present a concise argument.

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- Develop a foundation in sustainable planning with a focus on strategic issues;
- Be able to critically evaluate the effectiveness of strategies for managing and developing urban regions;

## Workshop Preparation

Due: **Weekly**

Weighting: **10%**

Each workshop will require preparation before class, involving either reading or engagement with other material (except for the first workshop). You are required to provide evidence of preparation in the form of an iLearn blog post specific to the set material for each week as indicated in the unit schedule.

On successful completion you will be able to:

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## Delivery and Resources

### Classes

Classes are held on **Mondays** commencing at 6:00pm and concluding at 9:00pm (sometimes class may finish earlier than this). GEOP830 is only available in internal mode, hence attending classes is necessary to maximise the learning outcomes. Workshops will consist of both lectures and a variety of learning activities spread over the three hour block.

### Workload Expectation

It is generally expected that students will commit at least 3 hours per week per credit point in their studies. Thus, in addition to attending weekly classes for 3 hours, students are expected to complete appropriate reading, research and other activities equivalent to at least 9 hours per week. Thus the total workload for this unit should be considered as a minimum of 12 hours per week throughout the semester.

### Technology

GEOP830 makes extensive use of iLearn for both resources and assessment. Resources for weekly workshops, readings, blog questions are on iLearn, as well as readings for assignments. Turnitin will be used for submitted assignments. Access to the internet and regular access to the unit's website is essential for GEOP830.

## Unit Schedule

Date	Lecture	Workshop	Assessment/Homework
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1 August	Introduction: Defining Sustainable Cities in the 21st Century	Overview of Assessment and Learning Activities and using data	Allocation of cities for assessment 1
8 August	Urban theory and sustainability	Cities, Urban Theory, and Urban Planning	Submit blog post on reading before class
15 August	Water planning and sustainability in urban Cambodia	Patterns of Urbanisation and Resource Management	Submit blog post before class
22 August	Water planning and sustainability in urban Australia	Patterns of urbanisation and resource management	Assessment 1 due 26 August
29 August	Transport planning	Exploring Shared Mobility	Blog post on shared mobility
5 September	Active Travel	Analysing modes of travel in urban places	Blog post on active travel
12 September	Future mobility	3MT Guidelines	No blog post
<b>19-30</b>	<b>SEPTEMBER</b>	<b>NO</b>	<b>CLASSES</b>
<b>3 October</b>	<b>PUBLIC HOLIDAY</b>	<b>NO</b>	<b>CLASSES</b> <b>4 October - Essay on smart transport due</b>
10 October	3MT presentations		Smart Transport presentation no blog post
17 October	Sustainable Housing and Health	Workshop co-chaired by Jennifer Kent/Nicole McNamara	Blog post on tutorial readings
24 October	Hybrid urbanism	More-than-human cities	Blog post on hybrid urbanism
31 October	Urban metabolism	Measuring and changing cities	3rd Nov - Assessment of city plans due
7 November	Smart cities/unit review	Workshop reviewing the unit	Blog post on smart cities

## Policies and Procedures

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

Academic Honesty Policy [http://mq.edu.au/policy/docs/academic\\_honesty/policy.html](http://mq.edu.au/policy/docs/academic_honesty/policy.html)

**New Assessment Policy in effect from Session 2 2016** [http://mq.edu.au/policy/docs/assessment/policy\\_2016.html](http://mq.edu.au/policy/docs/assessment/policy_2016.html). For more information visit [http://students.mq.edu.au/events/2016/07/19/new\\_assessment\\_policy\\_in\\_place\\_from\\_session\\_2/](http://students.mq.edu.au/events/2016/07/19/new_assessment_policy_in_place_from_session_2/)

Assessment Policy prior to Session 2 2016 <http://mq.edu.au/policy/docs/assessment/policy.html>

Grading Policy prior to Session 2 2016 <http://mq.edu.au/policy/docs/grading/policy.html>

Grade Appeal Policy <http://mq.edu.au/policy/docs/gradeappeal/policy.html>

Complaint Management Procedure for Students and Members of the Public [http://www.mq.edu.au/policy/docs/complaint\\_management/procedure.html](http://www.mq.edu.au/policy/docs/complaint_management/procedure.html)

Disruption to Studies Policy [http://www.mq.edu.au/policy/docs/disruption\\_studies/policy.html](http://www.mq.edu.au/policy/docs/disruption_studies/policy.html) *The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.*

In addition, a number of other policies can be found in the [Learning and Teaching Category](#) of Policy Central.

## **Student Code of Conduct**

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: [https://students.mq.edu.au/support/student\\_conduct/](https://students.mq.edu.au/support/student_conduct/)

## **Results**

Results shown in *iLearn*, 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).

## **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 improve your marks and take control of your study.

- [Workshops](#)
- [StudyWise](#)
- [Academic Integrity Module for Students](#)
- [Ask a Learning Adviser](#)

## **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)

## **IT Help**

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/](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.

## Graduate Capabilities

### PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

#### Learning outcomes

- Understand the differences and similarities of processes and governance that shape change in diverse urban regions;
- Develop a foundation in sustainable planning with a focus on strategic issues;
- Be able to critically evaluate the effectiveness of strategies for managing and developing urban regions;
- Compile and analysis a range of qualitative and quantitative data in support of sustainable urban planning

#### Assessment tasks

- Patterns of Urbanisation
- Essay on smart transport
- Smart Transport Presentation
- Assessment of City Plans
- Workshop Preparation

### PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

#### Learning outcomes

- Understand the differences and similarities of processes and governance that shape change in diverse urban regions;
- Develop a foundation in sustainable planning with a focus on strategic issues;

- Be able to critically evaluate the effectiveness of strategies for managing and developing urban regions;
- Compile and analysis a range of qualitative and quantitative data in support of sustainable urban planning
- Give succinct and informative oral presentations
- Demonstrate understanding of contemporary transport policies and futures

## **Assessment tasks**

- Patterns of Urbanisation
- Essay on smart transport
- Smart Transport Presentation
- Assessment of City Plans
- Workshop Preparation

## **PG - Critical, Analytical and Integrative Thinking**

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

## **Learning outcomes**

- Understand the differences and similarities of processes and governance that shape change in diverse urban regions;
- Develop a foundation in sustainable planning with a focus on strategic issues;
- Be able to critically evaluate the effectiveness of strategies for managing and developing urban regions;
- Compile and analysis a range of qualitative and quantitative data in support of sustainable urban planning
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## **Assessment tasks**

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- Essay on smart transport
- Smart Transport Presentation
- Assessment of City Plans
- Workshop Preparation

## PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

### Learning outcomes

- Understand the differences and similarities of processes and governance that shape change in diverse urban regions;
- Develop a foundation in sustainable planning with a focus on strategic issues;
- Be able to critically evaluate the effectiveness of strategies for managing and developing urban regions;
- Compile and analysis a range of qualitative and quantitative data in support of sustainable urban planning
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### Assessment tasks

- Patterns of Urbanisation
- Essay on smart transport
- Smart Transport Presentation
- Assessment of City Plans
- Workshop Preparation

## PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

### Learning outcomes

- Be able to critically evaluate the effectiveness of strategies for managing and developing urban regions;
- Compile and analysis a range of qualitative and quantitative data in support of sustainable urban planning
- Give succinct and informative oral presentations

## Assessment tasks

- Patterns of Urbanisation
- Essay on smart transport
- Smart Transport Presentation
- Assessment of City Plans
- Workshop Preparation

## PG - Engaged and Responsible, Active and Ethical Citizens

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

## Learning outcomes

- Understand the differences and similarities of processes and governance that shape change in diverse urban regions;
- Be able to critically evaluate the effectiveness of strategies for managing and developing urban regions;
- Demonstrate understanding of contemporary transport policies and futures

## Assessment tasks

- Patterns of Urbanisation
- Essay on smart transport
- Smart Transport Presentation
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- Workshop Preparation

## Changes from Previous Offering

This unit is being taught by a new team of Lecturers from the Department of Geography and Planning in 2016 and has been extensively revised. The pivotal differences relate to the emphasis on global as well as Australian examples.

The weighting for the 3 Minute Thesis assessment task has been increased to 10% to reflect the complexity of this activity.