



GEOP8030

Smart Urbanism

Session 2, In person-scheduled-weekday, North Ryde 2024

Macquarie School of Social Sciences

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General Information

Unit convenor and teaching staff

Convenor and teacher

Associate Professor Jessica McLean

jessica.mclean@mq.edu.au

Contact via Email jessica.mclean@mq.edu.au

Room 262, 25B Wally's Walk

Tuesdays 9.30-11am

Credit points

10

Prerequisites

Admission to MEnvEd or MEngMgt or MEnvMgt or MEnvStud or MPlan or GradCertEnvPlan or MEnvPlan or MSusDev or MPH or MWldMgt or MEnv or GradDipEnv or GradCertSusDev or GradDipSusDev or GradCertSIA or GradDipSIA or GradCertEnvPlan or MConsBiol or GradDipConsBiol or MDevStud or MPPPMDevStud or MPASRMDevStud or MSc in Remote Sensing and GIS

Corequisites

Co-badged status

Unit description

Visions and practices of smart urbanism are rapidly gaining traction across Australia and around the world. The integration of digital technologies with buildings, environments, networked infrastructures and people is reconfiguring urban spaces while cities are developing smart city plans and strategies to shape their future development. This unit explores the emergence of smart urbanism in relation to infrastructure, governance and everyday life. It considers how ideas of smart urbanism are mobilised in theory and practice and the implications for ethics, sustainability, equity and citizen engagement. Contemporary examples of smart urbanism in sectors such as housing, transport and urban greening are used to highlight key planning debates. Overall, students will gain insights and practical knowledge of how cities are shaped by the relationships between digital technologies, people and places.

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: Identify and critique the adoption of digital technologies within and across cities

ULO2: Analyse and evaluate smart city plans, policies and projects

ULO3: Critically assess the implications of smart urbanism for people, places and environments

ULO4: Apply concepts of smart urbanism to a range of case studies

General Assessment Information

Late Assessment Submission Penalty

Unless a Special Consideration request has been submitted and approved, a 5% penalty (of the total possible mark) will be applied each day a written assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a mark of '0' (zero) will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55pm. A 1-hour grace period is provided to students who experience a technical issue.

*This late penalty will apply to non-timed sensitive assessment (incl essays, reports, posters, portfolios, journals, recordings etc). **Late submission of time sensitive tasks** (such as tests/exams, performance assessments/presentations, scheduled practical assessments/labs etc) **will only be addressed by the unit convenor in a Special consideration application. Special Consideration outcome may result in a new question or topic.***

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Quizzes</u>	20%	No	08/08/2024; 12/09/2024; 17/10/2024 all at 23.55
<u>Smart urbanism essay</u>	40%	No	Week 6 29/09/2024 23.55
<u>City profile</u>	40%	No	Week 13 31/10/2024 23.55

Quizzes

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 20 hours

Due: **08/08/2024; 12/09/2024; 17/10/2024 all at 23.55**

Weighting: **20%**

3 quizzes across the semester, drawing on key concepts from the unit

On successful completion you will be able to:

- Identify and critique the adoption of digital technologies within and across cities
- Critically assess the implications of smart urbanism for people, places and environments

Smart urbanism essay

Assessment Type ¹: Essay

Indicative Time on Task ²: 40 hours

Due: **Week 6 29/09/2024 23.55**

Weighting: **40%**

2000 word essay that critically assesses the implications of smart urbanism for people, places and environments

On successful completion you will be able to:

- Identify and critique the adoption of digital technologies within and across cities
- Critically assess the implications of smart urbanism for people, places and environments
- Apply concepts of smart urbanism to a range of case studies

City profile

Assessment Type ¹: Media presentation

Indicative Time on Task ²: 40 hours

Due: **Week 13 31/10/2024 23.55**

Weighting: **40%**

A digital output that analyses and evaluates smart urbanism policy and practice in a case study city.

On successful completion you will be able to:

- Identify and critique the adoption of digital technologies within and across cities
- Analyse and evaluate smart city plans, policies and projects
- Apply concepts of smart urbanism to a range of case studies

¹ 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.

² 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

GEOP8030 Smart Urbanism is offered for internal and external students. You can choose how to engage with the learning activities as either an internal or external student but both modes engage with the same content over the semester.

Internal students will have class each Tuesday at 2pm (for a maximum of 3 hours) in Building 1CC, room 215 Groupwork Learning Space - a really great learning space!

External students will engage with learning and teaching activities at times that work for them. Approximately 1 hour of the seminar will be recorded for online students. External students will listen to the recording (1 hour) and complete structured activities online (2 hours).

It is important to note that all students have the same submission times and dates for assessments. On occasion, we will have the opportunity to do zoom classes at the same time as scheduled for internal students and I will contact you about these in advance.

The unit will be taught in three modules to help build critical perspectives on smart cities:

1. Module 1: The local and communities
2. Module 2: The individual and institutions
3. Module 3: Beyond smart cities

We have a field trip to Sydney CBD early on in the semester to evaluate and critically engage with smart urbanism in practice. Both internal and external students are able to do this activity, either during class time or independently.

Each week students are expected to complete the assigned readings for that theme prior to class, and engage in online or face-to-face discussions, activities and reflections to deepen their learning. The internal and external learning modes involve a mix of activities including lectures and discussion-based activities (debates, Q&A, role play).

Assessments will be worked on during the seminars and in online activities so that you are supported in achieving your learning outcomes. Feedback will be given as you develop draft assessments over the semester. The total workload for the unit is estimated to be 150 hours.

GEOP8030 will make use of web-based teaching support through iLearn. Students will require access to the internet and regular contact with the unit's iLearn site where all key components of the unit will be stored, including links to readings (via Leganto), and assessment submission links. To complete assignments students will need access to basic word processing programmes, access to library resources, and internet access to submit assignments via iLearn.

Unit Schedule

Week	Topic	Teacher
1	Introduction: What is smart urbanism? Putting the smart and the urban in the picture	A/Prof Jess McLean
2	Module 1: The local and communities Digital place-making	Dr Sarah Barns; Jess McLean
3	Module 1: The local and communities Smart urbanism field trip to Sydney CBD	Jess McLean
4	Module 1: The local and communities The aesthetic of smart cities	Jess McLean
5	Working on Smart Urbanism Essays	Jess McLean
6	Module 2: The individual and institutions Smart citizens in smart cities	Jess McLean
7	Module 2: The individual and institutions Universities as smart cities	Jess McLean
8	Module 2: The individual and institutions Comparing processes of making smart cities	Dr Sophia Maalsen
9	Module 3: Beyond smart cities Smart urban nature	Sarah Prebble (PhD candidate)
10	Module 3: Beyond smart cities Alternative smart cities	Jess McLean
11	Module 3: Beyond smart cities Returning to Sydney CBD	Jess McLean
12	City portfolio workshop	Jess McLean
13	Smart urban futures? And digital shadows	Jess McLean

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](https://policycentral.mq.edu.au/) (<https://policycentral.mq.edu.au/>)

[s.mq.edu.au](https://students.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](#)
- [Assessment Procedure](#)
- [Complaints Resolution 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 connect.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe [academic integrity](#) – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free [online writing and maths support](#), [academic skills development](#) and [wellbeing consultations](#).

Student Support

Macquarie University provides a range of support services for students. For details, visit [http://students.mq.edu.au/support/](https://students.mq.edu.au/support/)

The Writing Centre

[The Writing Centre](#) provides resources to develop your English language proficiency, academic writing, and communication skills.

- [Workshops](#)
- [Chat with a WriteWISE peer writing leader](#)
- [Access StudyWISE](#)
- [Upload an assignment to Studiosity](#)
- [Complete the 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

Macquarie University offers a range of [Student Support Services](#) including:

- [IT Support](#)
- [Accessibility and disability support](#) with study
- Mental health [support](#)
- [Safety support](#) to respond to bullying, harassment, sexual harassment and sexual assault
- [Social support including information about finances, tenancy and legal issues](#)
- [Student Advocacy](#) provides independent advice on MQ policies, procedures, and processes

Student Enquiries

Got a question? Ask us via the [Service Connect Portal](#), or contact [Service Connect](#).

IT Help

For help with University computer systems and technology, visit 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.

Changes from Previous Offering

We have two new guest lectures over the semester - Dr Sarah Barns and Dr Sophia Maalsen, both experts in smart urbanism in different contexts. I have changed the structure of the unit so that it is organised in three modules and this will support students to critically engage with smart urbanist theories and practices.

Unit information based on version 2024.01 of the [Handbook](#)