UNSW SYDNEY | Australia's Global University

Built Environment

PLAN7147
Planning Technique and Analysis

Yong Moon Jung

3+ Abbreviated Course Outline – T1

Disclaimer
This abbreviated course outline is indicative of the outcomes, delivery and assessment. While Course Learning Outcomes will remain constant, other details may be subject to change. The full and most accurate course outline will be available in Moodle.

1. COURSE STAFF

Course Convenor	Yong Moon Jung
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2. COURSE DETAILS

Credit Points: 6 UoC

Learning Activity	Hours per week
Lecture	2
Tutorial/Laboratory	2

Description
Planners draw upon a range of concepts and perspectives in order to generate progressive outcomes and 'broker' solutions that respond to multiple stakeholder interests. As foundations to this broad remit, there are a number of core skills and techniques that shape the planners' task. This course is intended to introduce and build those foundation skills - from awareness of urban information and data resources through to key analytical techniques and approaches. The course provides planning students and practitioners with an effective tool kit of skills and techniques that will assist in their broader understanding of what planners actually do as a planner.

Program Learning Outcomes (PLOs)

1. Building foundation skills from awareness of urban information and data resources through to key analytical techniques and approaches
2. Provision of opportunities to conduct and practise sourcing, generating, organising, analysing, interpreting, and presenting key information for planning
3. Promotion of evidence-based urban planning practice

Course Learning Outcomes (CLOs) with Alignment to PLOs and Assessment

CLO #	CLO Statement	PLO #	Related Assessment & Activities
CLO 1	Ability to develop a strategy to effectively source and generate information relevant to urban and regional planning	1, 2, 3	Readings, Lab exercises, Assessment tasks
CLO 2	Ability to demonstrate understandings of a range of analytical approaches and methods that can be used in order to undertake planning analyses	1, 2, 3	Readings, Lab exercises, Assessment tasks

CLO 3	Equipment with information literacy skills and capacity for critical appraisal of information in assessing and evaluating diverse evidence relevant to planning, through which they will be able to make informed decision makings in selecting appropriate information	1, 2	Readings, Lab exercises, Assessment tasks
CLO 4	Ability to competently use software that is commonly used particularly for quantitative planning	1, 2, 3	Lab exercises, Assessment tasks
CLO 5	Ability to summarise and visualise information for effective communication with planning stakeholders and wider audience	2	Lab exercises, Assessment tasks
CLO 6	Ability to apply their research skills and knowledge to planning process through ability to produce a planning report, which incorporates foundation skills as a practitioner planner	2, 3	Lab exercises, Assessment tasks

3. ASSESSMENT

Assessment Tasks	Weight	Description	Course Learning Outcomes assessed	Due Date
1. Systematic literature review	30%	Conduct of a systematic literature review for a planning purpose	1,3,6	Week 3
2. Tutorial / lab exercises	15%	Practice of analysis techniques and software and software competence	1,2,3,4,5,6	Within class
3. Final exam	20%	Understanding of key concepts and interpretation of analysis outcomes	1,2,5,6	Week 10
4. Individual planning report	35%	Data analysis for a planning purpose	1,2,3,4,5,6	Exam period

4. WEEKLY COURSE SCHEDULE

Week	Lecture	Tutorial	Related CLO
Week 1	Introduction to the course Skills / methods for planners	No tutorial	1, 2, 3
Week 2	Evidence-based planning practice Generating basic statistics Instruction for Assessment 1	Lab room (Excel)	1, 2, 3, 4
Week 3	Sourcing planning data Assessment 1 due in class	Lab room (Excel)	1, 3, 4
Week 4	Quantitative research (Design, sampling, Measurement)	Lab room (SPSS)	1, 2, 4
Week 5	Data analysis I (Normal distribution, probability)	Lab room (SPSS)	1, 2, 4
Week 6	Data analysis II (Inferential statistics, hypothesis testing, statistical significance)	Lab room (SPSS)	2, 3, 4, 5

	Instruction for Assessment 4		
Week 7	Data analysis III (t-test, ANOVA)	Lab room (SPSS)	2, 3, 4, 5
Week 8	Data analysis IV (chi-square, Correlation) Instruction for Final exam	Lab room (SPSS)	2, 3, 4, 5
Week 9	Data analysis V (regression, non-parametric analysis)	Lab room (SPSS)	2, 3, 4, 5
Week 10	Final exam (Assessment 3) in class	Lab room (Consultation)	4, 5, 6