



THE UNIVERSITY OF
NEW SOUTH WALES
SYDNEY · 2052 · AUSTRALIA

SCHOOL OF SURVEYING & SPATIAL INFORMATION SYSTEMS

GMAT4860

SUSTAINABLE LAND DEVELOPMENT

Course Outline Session 1 2009

Version: December 2008

This document, and other material, is available at the Course Website:
<http://www.gmat.unsw.edu.au/...>

(User name and password supplied in class)

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1. Staff involved in the Course and their Contact Details

1.1 Lecturer(s): Mr M Green and part-time lecturers

Office: EE420

Email: michael.green@unsw.edu.au

Phone: 9385 4193

1.2 Staff absences during session:

Mr Green will be off campus from time to time. During these times he can be contacted by email at the above email address. On campus assistance with this course can be obtained from Dr B Harvey or office administrative staff during periods in which Mr Green may be away.

2. Educational Aspects of the Course

2.1 How this course relates to others in the program

This course provides the legislative and procedural background to GMAT4400 Land Management & Development Project 1 and GMAT4450 Land Management & Development Project 2. The knowledge gained from GMAT3420 Cadastral Surveying and Land Law is also applicable.

2.2 Aim of the Course

At the completion of this course students will have knowledge of controlling planning legislation, procedures and processes with particular reference to land development through subdivision.

2.3 Learning Outcomes

By the end of this session a competent student will be able to submit a completed Development Application and supporting documentation for the development of land through subdivision. The student will be able to analyse and assess reports from other professions and give instructions to other professionals who may provide data to support an application.

2.4 Teaching Strategies

Course material will be delivered through lectures and tutorials from part-time lecturers from various backgrounds.

Students will be expected to attend meetings held by Resident Groups and Local Government Council meeting. Attendance at a relevant and permissible Land & Environment Court matter will also be required. Reports on the matters considered will be submitted by each student.

2.5 Suggested Learning Methods

Students should read relevant sections of the recommended text or references before the associated lecture. Active involvement in tutorials will be beneficial. Students are encouraged to ask questions to ensure efficient learning.

2.6 UNSW Graduate Attributes

This course provides an environment that fosters in our students the following attributes is listed:

the skills involved in scholarly enquiry	Significant
an in-depth engagement with relevant disciplinary knowledge in its interdisciplinary context	Significant
the capacity for analytical and critical thinking and for creative problem solving	Some
the ability to engage in independent and reflective learning	Some
the skills to locate, evaluate and use relevant information (Information Literacy)	Significant
the capacity for enterprise, initiative and creativity	Minimal
an appreciation of and respect for diversity	Some
A capacity to contribute to, and work within, the international community	Minimal
the skills required for collaborative and multidisciplinary work	Significant
an appreciation of, and a responsiveness to, change	Significant
A respect for ethical practice and social responsibility	Significant

3. Proposed Course Schedule

Week No.	Wednesday Noon-3 pm EE222	Thursday Noon-2 pm EE222
1	<i>Introduction / subject overview. Assessment. What is the Environment?</i>	<i>The role of Surveyors and Government in the development process</i>
2	<i>What is Sustainability The Principles of Ecologically Sustainable Development.</i>	<i>Planning Schemes and Ordinances</i>
	<i>Mid-session break</i>	<i>Mid-session break</i>
3	<i>Energy Use and the Enhanced Greenhouse Effect. Energy Use and Conservation: transport, air quality and the built environment. Discussion: Efficient Energy Use through Smart Land Development</i>	<i>Environmental Planning Instruments</i>
4	<i>The Urban Water Cycle and Sustainable Management. Discussion: Integrating 'Water Sensitive Urban Design' Strategies into the practice of land development.</i>	<i>Development Applications</i>
5	<i>The role of stakeholder, public participation and the community in decision making over land use. Discussion: What weighting should be given to community expectation</i>	<i>Controls in Subdivisions</i>
6	<i>The precautionary principle and biodiversity. Local Government and BASIX Seminars 3: Discussion: Why may biodiversity of importance to surveyors?</i>	<i>Conditions of Consent</i>
7	<i>The Economics of price Price and Rental Market formation simulation</i>	<i>Local Government Areas and The Land & Environment Court</i>
8	<i>The Fundamentals of Land Rent and Price</i>	<i>Subdivision Certificates</i>
9	<i>Rent and Public funding</i>	<i>Strata Certificates</i>
10	<i>The Economics of Place</i>	<i>Roads, Reserves and Amenities</i>
11	<i>Property Valuation Techniques: Comparable Sales Evidence</i>	<i>The Subdivision and Development Process in NSW</i>
12	<i>Comparable Evidence and Capitalisation</i>	<i>Environmental Impact Statements</i>

4. Assessment in the Course

Proposed assessment for the course includes:

Tutorial Involvement	25%
Examinations	75%

Attendance at Meetings:

Reports completed by students following their attendance at the various meetings and court matters will be assessed as assignments.

Permission may be required from the relevant authority to attend meetings and the court. Students are required to report any difficulties experienced in obtaining such permission immediately to the lecturer-in-charge.

Additional information on assignments will be issued during lectures and tutorials.

5. Course Resources

5.1 Lecture Material

Material will be provided each week by the lecturer delivering each topic.

5.2 Text and Reference Books

- The Environmental Law Handbook, Third Edition, by D Farrier, R Lyster and L Pearson
- Guidelines from various Local Government Councils
- Harding, Ronnie (1998), (Ed). *Environmental decision-making: The roles of scientists, engineers and the public*. Sydney: The Federation Press.
 - Other references will be given as the weeks progress. Examples are:
- McDonough, W and Braungart, M. (2002). *Cradle to Cradle*. North Point Press. NY
- Harremoës, P et al. 2002. *The precautionary principle in the 20th century. Late lessons from early warnings*. Earthscan. London.
- Porritt, J. 2005. *Capitalism as if the World Matters*. Earthscan London.

5.3 Computational Aids

Pocket calculators may be required during lecturing hours and for tutorials. They have to be hand-held, internally powered and silent. They must be brought to all lectures and tutorials.

Pocket calculators for examinations in this course are provided by the University (CASIO fx-911W).

6. Administrative Matters

6.1 Expected work load

At UNSW, the normal workload expectations of a student are 25-30 hours per session for each unit of credit, including class contact hours, preparation and time spent on all assessable work.

To assist students with the organisation of their studies, the expected workloads of the various components of the course are listed below. It is strongly suggested that students use the listed hours to plan their work during session.

Lectures (12 x 3hr)	36hr
Tutorials (12 x 2hr)	24hr
Assignments/Reports	24hr
Attendance at Meetings and Court	10hr
Revision of Lectures, preparation of practical/tutorial reports, background reading (approximately 3hr x 12wk)	36hr
Total	130hr

6.2 Rules

Students should read the University Calendar or Student Guide for details of University Rules and special considerations.

Students are reminded that the University regards academic misconduct as a very serious matter. Unauthorised material must not be taken into a test or examination. Any work submitted for assessment must be entirely the student's own work. The penalty for any suspected academic misconduct ranges from zero mark for the assignment or exam involved, through failure of the subject, to expulsion from the University. If absent from an examination, class test or practical, students must submit written documentation to the University, via the Student Centre in the Chancellery.

All assignments or practical reports are compulsory parts of the course and must be handed in by the due date. The marks for late submissions will be reduced as follows: -20% (of the maximum mark) for up to 24 hours after the scheduled submission time, then -10% (of the maximum mark) for each additional 24 hour or part period late. (For example, a student submitting a report/assignment 3.5 days late has their mark reduced by 5 if the maximum mark of the submission is 10). Any late submission must be made before solutions are issued to the class.

If a student is unable to submit on time due to illness or other legitimate reason, then a brief written explanation must be given to the lecturer for consideration as soon as is feasible. In some cases the lecturer may grant an extension to the submission date provided he has been contacted before the due date.

Further assessment may be granted in this course at the lecturer's discretion. If further assessment is granted then performance in tutorials may be considered as well as an oral exam including use of a computer.

If students attend less than 80% of their possible classes they may be refused final assessment.

6.3 Grievances

In the first instance all grievances should be discussed with the lecturer involved. If the problem cannot be resolved, students should contact the School's Grievance Officer in writing.

6.4 In the Public Eye

It is hoped that students attending meetings and court will create a favourable impression on others hence a professional attitude is required. Certain standards of dress may be and are expected at some events.

6.5 Submission of Reports

Contents of Reports: Your report should have a front/title page, then a listing of the meeting contents/matter page. The rest of the report includes an abstract and then a brief description of the material or happenings during the attended event. The number of words required will be specified by the lecturer. See also Section 6.2 above.