



## COURSE DETAILS

<b>Contact hours</b>	6 hours per week, 6 UoC	
<b>Classes</b>	Monday 12 - 2 pm	CE109 and Hybrid BBCU
	Tuesday 10am – 12	CE109 and Hybrid BBCU
	Tuesday	

**COURSE PROGRAM TERM 3, 2021**

Some topics may change dates depending on lecturer availability. (Lecturer named below)

Bruce Harvey (BRH), Cameron Miles (CM), Sandra Hoffmann (SH), Adrian Barden (AB)

Week	Monday 12 - 2 pm Lec CE109 Topic	Tuesday 10am – 12 Lec CE109 Topic	Tuesday 12 - 2 pm CE201 Lab
1 13-14 Sep	Introduction to Course. Interpreting a Cadastral Plan of Survey (DP) BRH	Intro to Cadastral Surveying and the Legal System of NSW. Preparation of manual & electronic field notes for Cadastral Surveys. CM	Reading a Plan of Survey. BRH
2 20-21 Sep	Torrens and Old System Land Titles in NSW. Estates in land. CM	Investigating Titles and Organising Search. CM	Computer lab exercises CM
3 27-28 Sep	Boundaries - General and Fixed, Urban Boundaries. CM	Boundary Re-location & Identification Surveys. Identification Reports and Calculations CM	Ident Survey ass <sup>t</sup> searching and preparation BRH
4 5 Oct	<i>Public Holiday</i>	<b>Mid-term test CE 201</b> BRH	<b>Lec:</b> Natural Boundaries,

## TEACHING STRATEGIES

Lectures will be combined with discussion classes based on problems that are encountered in practice and field/site visits. A team of industry based experts teach this course with one UNSW academic.

Lists of reading material will be provided in lectures together with Moodle files related to specific topics. Students should read the relevant material prior to the lecture and should then be in a position to ask questions to clarify and ensure their understanding of each topic.

Students are encouraged to bring laptops (or tablets or smart phones) to those classes not held in our computer lab (CE201 or 611) so that they can view the class Moodle site to access relevant materials and tasks. Students unable to do so should discuss this with the course coordinator.

Recommended approaches to learning are:

### **Private Study**

- Review lecture material
- Do set problems and assignments
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## ASSESSMENT AND ASSIGNMENTS

The final grade for this course will normally be based on the sum of the scores from each of the assessment tasks. The Final Examination is worth 40% of the Final Mark. This test (in the exam period) will cover the whole term's work. The formal exam scripts will not be returned; however students are welcome to visit the course coordinator to review their exam script and marking after the exam has been marked. Students who perform poorly in the mid-term assessments are recommended to discuss progress with the lecturer during the semester.

Details of each assessment component, the marks assigned to it, the criteria by which marks will be assigned, and the dates of submission are set out below.

1. Computer labs 30% Includes: Wk4 test = 15%, 7 labs = 10%, Wk9 presentation = 5%
2. Assignment: Identification Survey 15% Group work, Due: < 9am 1 Nov 2021



need to rewrite the work or to submit formal well written reports. Generally the work will not be collected or be examined in detail unless a student has had difficulties getting correct or good quality output. Generally, lab marks will be assigned using a mastery scheme, i.e. if the work is acceptable it will get full marks if it is not acceptable it will get zero marks, students can resubmit in this case.

Note that the final lab marks will be determined at the end of week 10, not later, and will be based on the course coordinators record of your marks – not necessarily what is shown in Moodle for the quizzes. If you have had a successful audit the Moodle quiz marks will be used.

*Penalties:* You are allowed to help each other learn in lab classes but are not allowed to blindly copy someone else's work. Cheating in the lab tasks will be dealt with by the usual UNSW procedures. There is no need to cheat, instead prepare b

piece by piece, so that it can be checked off. A student's responsibility for borrowed equipment does not end until all your equipment has been returned and signed off.

2. ***It is not sufficient to leave the equipment near the store and depart.***

3. ***Any equipment lost or damaged will have to be paid for by the group.*** In the field, there is less danger of losing items if everything is kept together and close to the group and where pedestrians can safely bypass it.

## **INSTRUMENTS**

The equipment used in surveying is sometimes delicate and often valuable (> \$10,000). Please make sure that you take due care of the equipment and give some thought to the way in which you handle it. Theodolites and electronic measuring equipment have fragile optical, mechanical and electronic components and are delicately adjusted. ***Shut instrument boxes immediately after removing/replacing the instrument.*** Carrying instrument on tripods will not be tolerated in this School. Do not force any parts to move, ensure clamps that lock the instrument to the tripod are set and do not over tighten clamps. No equipment is to be left unattended in the field at any time.

## **IN THE PUBLIC EYE**

It is hoped that students taking part in surveying practicals on or off the campus will create a favourable impression on the public and fellow students – and **so behave in a professional manner**. The field classes give you an opportunity to experience practical problems in a learning environment and should be a welcome break from lectures. It is hoped you find them enjoyable as well as instructive.

## **SUBMISSION OF REPORTS ON PRACTICAL WORK**

**Time:** Reports may be submitted at any time prior to the due date. **Late submissions will not be marked**, unless accompanied by an appropriate reason. Reports should be submitted to the lecturer unless otherwise advised by the lecturer.

**Contents of Reports:** Your report should have a front/title page, a summary of results page and then the rest of the report including computations and plans. Reports must contain original field notes or a photocopy of the originals, but not rewritten field notes. The requirements for each practical will be discussed at the briefings before the practicals, if in doubt ask the supervisor. The front cover of all submissions should include: Course number and name, your name and the title of exercise

Appendix A: Engineers Australia (EA) Competencies

Stage 1 Competencies for Professional Engineers

	Program Intended Learning Outcomes
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PE1.1 Comprehensive,

PE1: Knowledge  
and Skill Base