



## COURSE DETAILS

<b>Units of Credit</b>	6 UoC
<b>Contact hours</b>	5 hours per week
<b>Class/Workshop</b>	Monday, 10:00 – 12:00

**Field pracs**

atmospheric parameters, coefficient of refraction, velocity corrections, geometric reductions, reductions of distances to the ellipsoid and analysis of errors will be exercised with a field prac exercise. At the conclusion of this course students gain an understanding of the impact specific field techniques and instrumentation have on the attainable precision when conducting terrestrial surveys.

During this course the following attributes will be exercised:

- the skills involved in scholarly enquiry
- an in-depth engagement with relevant disciplinary knowledge in its interdisciplinary context
- the capacity for analytical and critical thinking and for creative problem solving
- the ability to engage in independent and reflective learning
- the skills to locate, evaluate and use relevant information (Information Literacy)
- the







**COURSE PROGRAM**

<b>Week start</b>	<b>Monday 10 12 noon CLB 08</b>	<b>Wednesday 1 - 6pm CE G7 Survey store</b>	<b>Thursday 9 11 am CLB 06</b>
<b>1 14/9</b>	<b>L1:</b> Intro to Course (C) <b>L2:</b> Levelling revision, digital levels (R) <b>T:</b> Prac 1 briefing and prep. (R)	<b>P1:</b> Collimation Test mini prac & rotating laser levelling of grid (R) Practice precise level run around campus (R)	<b>L3A:</b> Precise levelling, reduction of precise levelling data
<b>2 21/9</b>	<b>L3B:</b> Error analysis, std & specs (R) <b>T:</b> Prep for prac. Booking, recording of precise levelling (R) ( <i>Levelling Assignment</i> )	<b>P2:</b> Precise level run prac around campus (R) ( <i>Level Prac due 9/10</i> )	<b>L4:</b> Data Analysis in precise levelling

**L5:** Intro to Elec Theods, u

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28/9**      **T:** Statistics of precise level reductions (R)







## SUBMISSION OF REPORTS ON PRACTICAL FIELD CLASSES

**Time:** Reports will generally be submitted as per the assessment timetable. Note this could change depending on circumstances. Please come to lectures and read emails in case of changes. Late submissions will be penalised, unless accompanied by an appropriate reason



