

COURSE DETAIL

SURVEYING AND MAPPING

Country

Host Institution

Program(s)

University of Melbourne

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

115

UCEAP Course Suffix

UCEAP Official Title

SURVEYING AND MAPPING

UCEAP Transcript Title

SURVEYING&MAPPING

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces the technologies and field procedures used in surveying and mapping. Topics: fundamental principles of plane surveying and skills to undertake all the measurements and computations necessary for mapping small areas. There are several outdoor practical assignments that combine to produce a detail and contour plan of an area of interest. The course also covers the theory and practice of surveying on a plane, including the associated computations; leveling, traversing, detail and contour observations with automated instruments, plan preparation and incorporation of field surveys into geographic information systems; and introduction to advanced measurement techniques including 3d laser scanning and GPS.

Language(s) of Instruction

English

Host Institution Course Number

GEOM20015

Host Institution Course Title

SURVEYING AND MAPPING

Host Institution Course Details**Host Institution Campus**

Parkville

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Geomatic Engineering

Course Last Reviewed

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