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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