

COURSE DETAIL

REMOTE SENSING OF SURFACE PROCESSES

Country

New Zealand

Host Institution

University of Auckland

Program(s)

University of Auckland

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Geography

UCEAP Course Number

141

UCEAP Course Suffix**UCEAP Official Title**

REMOTE SENSING OF SURFACE PROCESSES

UCEAP Transcript Title

REMOTE SEN: SURFACE

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines key concepts of geographic information science as applied to earth and environmental sciences. It covers monitoring, analysis, visualization and modelling of landscape change for terrestrial and coastal environments, using imagery from satellites, airplanes (LiDAR) and UAVs. Principles and practice of field techniques, including RTK-GPS, LiDAR and UAV piloting will be reviewed with application to catchment management, conservation, natural hazards and civil infrastructure.

Language(s) of Instruction

English

Host Institution Course Number

GISCI 341

Host Institution Course Title

REMOTE SENSING OF SURFACE PROCESSES

Host Institution Course Details

<https://courseoutline.auckland.ac.nz/dco/course/GISCI/341/1255>

Host Institution Campus

Auckland

Host Institution Faculty

Science

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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