

COURSE DETAIL

SPATIAL DATA SCIENCE

Country

Singapore

Host Institution

Nanyang Technological University

Program(s)

Nanyang Technological University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

146

UCEAP Course Suffix**UCEAP Official Title**

SPATIAL DATA SCIENCE

UCEAP Transcript Title

SPATIAL DATA SCNCE

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course addresses current needs for the statistical modeling of random patterns and structures in spatial contexts, which arise in multiple fields ranging from geophysical, life and earth sciences, to communication engineering and social network analysis. The course approach relies on computational and statistical tools from stochastic geometry. The course requires students to take prerequisites.

Language(s) of Instruction

English

Host Institution Course Number

MH4522

Host Institution Course Title

SPATIAL DATA SCIENCE

Host Institution Course Details

https://wis.ntu.edu.sg/webexe/owa/aus_subj_cont.main

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

Course Last Reviewed

2025-2026

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