

COURSE DETAIL

PATTERN FORMATION AND SELF-ORGANISATION IN BIOLOGY

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

137

UCEAP Course Suffix**UCEAP Official Title**

PATTERN FORMATION AND SELF-ORGANISATION IN BIOLOGY

UCEAP Transcript Title

PATTERN FORM IN BIO

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course takes an interdisciplinary approach to introduce how complex biological phenomena can emerge from simple rules. Through interactive lectures, guided reading and hands-on tutorials and simulations, students learn to appreciate how basic concepts like feedback and robustness generate biodiversity across multiple scales. The course requires a prerequisite of General Biology.

Language(s) of Instruction

English

Host Institution Course Number

LSM3236

Host Institution Course Title

PATTERN FORMATION AND SELF-ORGANISATION IN BIOLOGY

Host Institution Course Details

<https://nusmods.com/courses/LSM3236/pattern-formation-and-self-organisation-in-...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biological Sciences

Course Last Reviewed

2024-2025

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