COURSE DETAIL

PRINCIPLES OF TAXONOMY AND SYSTEMATICS

Country
Singapore

Host Institution
National University of Singapore

Program(s)
Biodiversity

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Environmental Studies Biological Sciences

UCEAP Course Number
181

UCEAP Course Suffix
S

UCEAP Official Title
PRINCIPLES OF TAXONOMY AND SYSTEMATICS

UCEAP Transcript Title
TAXONMY&SYSTEMATICS

UCEAP Quarter Units
6.00

UCEAP Semester Units

4.00

Course Description

This course introduces students to taxonomy and systematics, i.e., the science of grouping biodiversity into species, describing the species, and classifying this diversity into higher-level taxa that reflect evolutionary history. The course has two main goals: (1) It introduces the main concepts and goals of taxonomy and systematics. (2) It teaches the qualitative and quantitative techniques that are used to describe/identify species and higher-level taxa based on the analysis of morphological and DNA sequence evidence. The course equips environmental as well as other biologists with an understanding of taxonomic/systematic units and the tools needed for evaluating and quantifying diversity in samples of plant and animal specimens.

Language(s) of Instruction
English

Host Institution Course Number
LSM4254

Host Institution Course Title
PRINCIPLES OF TAXONOMY AND SYSTEMATICS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Life Sciences

Course Last Reviewed

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