COURSE DETAIL

INTRODUCTION TO MARINE DISSOLVED ORGANIC MATTER (MDOM)
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 121
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO MARINE DISSOLVED ORGANIC MATTER (MDOM)
UCEAP Transcript Title INTRO MARINE MDOM
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

Understanding the processes involved in the transformation of carbon, phosphorus, nitrogen, and other major elements in the oceans has been a major interest of oceanographers over the past decade. Marine dissolved organic matter (DOM) plays a vital role in regulating global patterns and cycling of the major elements of seawater. There are a number of biochemical, photochemical and physical transformations that marine DOM can be influenced by, including DOM production, diagenesis and re-mineralization, as well as interactions with trace metals and microbes. Additionally, marine DOM plays important roles at environmental interfaces such as those between land and sea, sediment and water, particle and bulk solution. This course covers both well-established and recently developed concepts on marine DOM relevant to future marine scientists, in particular, those in the fields of chemistry, biogeochemistry and ecology.

Language(s) of Instruction
English

Host Institution Course Number
Ocean5047

Host Institution Course Title
INTRODUCTION TO MARINE DISSOLVED ORGANIC MATTER

Host Institution Course Details
https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=241%20U1870&c...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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