

COURSE DETAIL

FOREST ECOHYDROLOGY

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

163

UCEAP Course Suffix**UCEAP Official Title**

FOREST ECOHYDROLOGY

UCEAP Transcript Title

FOREST ECOHYDROLOGY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

Understanding the systems that control the circulation of water between the atmosphere, soil, and plant is clearly important for a general understanding of the hydrological cycle and the way that the ecosystem operates and survives. This course consists of two sections. The first section deals with the basics of plant-water relations and water fluxes in forests. The second section explores the soil moisture dynamics and its effect on plant ecophysiology and hydrological processes. This course explores the fundamentals of ecohydrology in forest ecosystems, with a special emphasis on plant-water relations and soil moisture dynamics. This course also covers the issues of climate change, based on the forest-atmosphere interaction through soil moisture.

Language(s) of Instruction

English

Host Institution Course Number

Forest5063

Host Institution Course Title

FOREST ECOHYDROLOGY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Forestry

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