

COURSE DETAIL

TROPICAL ECOLOGY

Country

Netherlands

Host Institution

Maastricht University - Center for European Studies

Program(s)

Biological and Life Sciences, Maastricht

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

123

UCEAP Course Suffix**UCEAP Official Title**

TROPICAL ECOLOGY

UCEAP Transcript Title

TROPICAL ECOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Tropical forests are amongst the most species-rich biomes in the world. Yet, our understanding of their evolution, functioning, and development is far from complete. There are three main tropical rainforest areas, the Neotropics (Central and South America), Africa, and Asia, but this course mainly focuses on the Neotropics. The course examines what defines the tropical region, the differences, and similarities between the three large blocks of rainforest, and investigates the structure and biodiversity of tropical rainforests. The development of tropical forests, how biodiversity changes over time (ecologically and evolutionarily), and how trophic levels work within these forests are also reviewed. Furthermore, the role of tropical forests in relation to climate change and global carbon cycling is investigated, and a link between tropical savannas and dry tropical forests is made. Finally, the IUCN red list is investigated as well as the different dimensions (e.g., biological, cultural, and political) of nature conservation in tropical areas.

Language(s) of Instruction

English

Host Institution Course Number

BIO3007

Host Institution Course Title

TROPICAL ECOLOGY

Host Institution Course Details

<https://curriculum.maastrichtuniversity.nl/node/476286/courses-curriculum>

Host Institution Campus

Maastricht University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Maastricht Science Programme

Course Last Reviewed

2023-2024

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