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

Print