COURSE DETAIL

GRASSLAND SCIENCE
Country Netherlands
Host Institution Wageningen University and Research Center
Program(s) Wageningen University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 127
UCEAP Course Suffix
UCEAP Official Title GRASSLAND SCIENCE
UCEAP Transcript Title GRASSLAND SCIENCE
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course is a study of grasslands and rangelands, which can be defined as the type of vegetation in which grasses and forbs are dominant. This course covers the importance of grassland as natural vegetation but also addresses the prevalence of semi-natural and agricultural grasslands, which are often managed by humans to provide food for domestic animals. This course explores a range of topics including the taxonomy and morphology of grassland species; the growth, development, and physiology of grassland species; grassland management, including aspects of grazing methods, botanical composition, soil quality, carbon sequestration, and the water and nutrient supply of soil; nutrition of ruminants, forage quality, forage conservation, and feeding systems; grass breeding, variety selection, and seed production; plant species diversity and productivity of semi-natural grasslands; and sports field turfgrass. Selected topics are highlighted for students through case studies and excursions. Amongst other skills, students learn to identify the most important grassland species using a classification key, understand grassland plant growth, production, and reproduction, and analyze societal, agronomic, and scientific problems related to grassland management and use.

Language(s) of Instruction
English

Host Institution Course Number
CSA31806

Host Institution Course Title
GRASSLAND SCIENCE

Host Institution Course Details
https://wur.osiris-student.nl/onderwijscatalogus/extern/cursus

Host Institution Campus
Wageningen University

Host Institution Faculty

Host Institution Degree
Host Institution Department Crop Systems Analysis
Course Last Reviewed 2023-2024

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