

COURSE DETAIL

AGROFORESTRY

Country

Netherlands

Host Institution

Wageningen University and Research Center

Program(s)

Wageningen University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies Agricultural Sciences

UCEAP Course Number

116

UCEAP Course Suffix**UCEAP Official Title**

AGROFORESTRY

UCEAP Transcript Title

AGROFORESTRY

UCEAP Quarter Units

2.50

UCEAP Semester Units

1.70

Course Description

This course is a study of agroforestry, or land- use systems in which trees and shrubs are grown in association with crops, pastures, or livestock in a spatial arrangement or rotation, and in which there are both ecological and economic interactions between the trees and other components of the system. Agroforestry has been increasingly recognized as a means to contribute to sustainable land use. The primary objective of this course is to familiarize students with the concept of agroforestry, and to help them acquire knowledge about the underlying principles of these systems, such as their ecological processes and environmental interactions. Examples from agroforestry systems throughout the world are described and discussed. Upon successful completion of this course, students are able to explain the concept of agroforestry in the context of agriculture and forestry, and to classify the main systems of agroforestry using various bases for classification; evaluate the major ecological processes involved, and to assess their relative importance in the major agroforestry systems; distinguish the importance of nitrogen fixation and mycorrhizal associations in agroforestry systems and to evaluate these in the major agroforestry systems; distinguish the possibilities and limitations of application of agroforestry in the context of local ecological conditions, taking into account local socio-economic conditions; and critically evaluate an important basic hypothesis in agroforestry in a well-written essay, and to discuss it interactively during an oral presentation.

Language(s) of Instruction

English

Host Institution Course Number

FEM-22803

Host Institution Course Title

AGROFORESTRY

Host Institution Course Details

Host Institution Campus

Forest and Nature Conservation

Host Institution Faculty

Host Institution Degree

Host Institution Department

Forest Ecology and Forest Management

Course Last Reviewed

[Print](#)