

COURSE DETAIL

PRINCIPLES OF BIOBASED ECONOMY

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

126

UCEAP Course Suffix**UCEAP Official Title**

PRINCIPLES OF BIOBASED ECONOMY

UCEAP Transcript Title

BIOBASED ECONOMY

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course explores how to create a sustainable future by moving away from dependence on fossil resources to biomass resources for the production of food, chemicals, and energy carriers. Microorganisms and catalysts to create biobased products are discovered and then learning how to market and sell those products within a profitable business model is reviewed. This course provides a solid foundation of relevant concepts in the biobased economy and biobased products by reviewing an introduction to biobased sciences, production of biomass, biorefining, achieving sustainability, consumer behavior, bioconversion, (bio)chemical conversion, business, logistics and supply chains, and economy and regulations.

Language(s) of Instruction

English

Host Institution Course Number

BCT23806

Host Institution Course Title

PRINCIPLES OF BIOBASED ECONOMY

Host Institution Campus

Wageningen University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biobased Chemistry and Technology

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