Virtual Exchange Program

Sustainable Food Security: The value of systems thinking

**Start date:** 17/02/2020, **End date:** 03/07/2020

**Platform:** edX

**Wageningen University and Research**

**COURSE SYNOPSIS**

**Domain:** Life sciences

**Title(s) of the course(s) as it appears on the platform:** Sustainable Food Security: The value of systems thinking

**Language (ISO-639-1 code):** en

**Short description of the course:** "Learn to apply a systems approach to food production systems with a focus on environmental sustainability, based on different disciplines."

**Instructor(s):** Eddie Bokkers

**Level:** MA1

**ECTS:** 3.0

**Workload in student hours:** 84

**Semester:** 1: jan-june

**Full course description:** "Understanding and working with the complexity of sustainable food production systems requires training in different disciplines and an approach that can address this complexity at the system level. This course enables participants to apply the principles of a systems approach to food production systems with a focus on environmental sustainability. We analyze production systems at both ends of the spectrum: highly productive systems with relatively high inputs and emissions to the environment, and low productive systems with low input use and depletion of soil fertility. Crop-livestock interaction is a focal point. The course includes an 1) introduction to the complexity of food production systems, 2) introduction to systems thinking, 3) analysis and comparison of the productivity of food production systems and the environmental issues, and 4) the assessment of environmental sustainability using indicators. This last topic allows students to integrate topics of previous modules."

**Prerequisites:** -

**Link to course on platform:** https://www.edx.org/course/sustainable-food-security-the-value-of-systems-thinking

**Link to course in University studyplan:** https://ssc.wur.nl/Studiegids/Course/APS-50803

**Course registration opening date:** 06/01/2020

**Course registration deadline:** 12/04/2020

**Course withdraw date:** -

**Midterm:** No

**Midterm details:** -

**Exam period start:** 06/07/2020
Exam period end: 17/07/2020
Exam date: -
Exam timing: Synchronous (exam needs to take place at the same date and time everywhere)
Exam start time: -
Exam end time: -
Time zone (at the time of the exam, DST): UTC+1
Exam registration date: 26/06/2020
Exam resit available: Yes
Exam resit period start: 03/02/2021
Exam resit period end: 12/02/2021
Exam resit date: -
Exam resit time start: -
Exam resit time end: -
Time zone (at the time of the resit of the exam, DST): UTC+1
Final exam type: Written
Final exam details: -
Exam requirements for home university (computer, VOIP, recording materials): -
Cap (maximum number of exchange students): 50
Offered to which partners: -, All partners of the Alliance(s) selected above
Link to course image: https://drive.google.com/open?id=1bXpYTUHc5xRdkd_dLC6kLr_qH0RzLyIZ