Virtual Exchange Program

Sustainable Food Security: Crop Production

**Start date:** 12/04/2020,  **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: Crop Production  
**Language (ISO-639-1 code):** en  
**Short description of the course:** Learn the basics of crop production and find out how to feed the future world population without depleting our planet’s resources.  
**Instructor(s):** Ken Giller, Gerrie van der Ven, Harrie Lovenstein  
**Level:** BA4  
**ECTS:** 2.0  
**Workload in student hours:** 56  
**Semester:** 1: jan-june

**Full course description:** Feeding nine billion in 2050 without exhausting the planetary reserves is perhaps the greatest challenge mankind has ever faced. This course will examine the principles of production ecology and the 'availability pillar' of global food security that lie at the heart of food production. They can be applied to both crops and animal production. This course on the basics of crop production will discuss why yields in some parts of the world are lagging behind and identify the agro-ecological drivers that shape the wide diversity of production systems. Furthermore, key issues relating to closing of yield gaps and how these link to different visions of sustainability will be explored.

**Prerequisites:** -

**Link to course on platform:** [https://www.edx.org/course/sustainable-food-security-crop-production-0](https://www.edx.org/course/sustainable-food-security-crop-production-0)  
**Link to course in University studyplan:** [https://ssc.wur.nl/Handbook/Course/PPS-51802](https://ssc.wur.nl/Handbook/Course/PPS-51802)

**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=1WuKxpqQi8rQq-r4khV3KLku6M3FHsTYI](https://drive.google.com/open?id=1WuKxpqQi8rQq-r4khV3KLku6M3FHsTYI)