

INTRODUCTION TO SMART FARMING

LEVEL: MASTER 1

PERIOD: SEMESTER 2

LANGUAGE: EN

ECTS: 3

TEACHER/COORDINATOR: BERTRAND VANDOORNE



1-Main objectives

This course sequence, taught in English, will propose to students an introduction to the new technologies used today in the agricultural sector, on field.

2-Skills developed

- › Knowledge about new aspects and technologies regarding the agricultural techniques.
- › Data analysis: work on huge data sets coming from sensors
- › Self-learning through case study work.

3-General content

The lectures will approach techniques coming from the crop and animal productions.

These illustrated techniques will go from environmental or crop and animal health sensors to new mechanization technologies (i.e. robots). Some information and help decision tools will also be illustrated.

4- Evaluation

This short course sequence will be evaluated through a case study on which students will work. About 10 hours will be dedicated to this part.