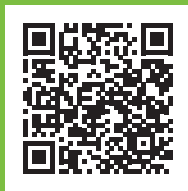




PLANT BREEDING

PLUS D'INFORMATIONS :



 **Beauvais**

 **English**

CONTENT & GOALS

The programme covers the entire scope of a modern-day plant breeder's work and meets the growing need for professional field breeders. It aims at providing students interest in Plant Breeding with excellent training in science, management, law, languages and soft skills that are needed in the Seed Industry and Research Institutes. It provides a multidisciplinary approach, addressing traditional and

biotechnology techniques, connections with management and new technologies (bioinformatics, data management etc.) to future MSc/PhD graduates to gain a comprehensive and strategic understanding of complex international breeding projects.

DATES OF THE PROGRAMME

Fall semester: end of August to January
Spring semester: end of January to June

PROGRAMME OVERVIEW*

FALL SEMESTER (4TH YEAR PROGRAMME – MASTER LEVEL)

COURSE NAME	ECTS
Cross culture & Ethics	1
Introduction to seed business	2
Introduction to algorithmic	1
Statistics	3
Plant Reproduction Systems	2
Fundamental Genetics	3
Breeding strategies	3

COURSE NAME	ECTS
Introduction to Plant Pathology	3
Ecophysiology	2
Experimental design	3
Population genetics	2
Pilot Case 1	3
French as a Foreign Language	2
Total	30

PROGRAMME OVERVIEW*

SPRING SEMESTER (4TH YEAR PROGRAMME – MASTER LEVEL)

COURSE NAME	ECTS
Plant Microbe Interaction	5
Plant genetic resources and diversity	2
Quantitative Genetics	3
Seed and Plant Production and Certification	3
Breeding strategies and methods of selection	4
Agricultural sciences	4

COURSE NAME	ECTS
French as a foreign language	3
Relational databases - Phenotyping	3
Job marketing	1
Intellectual Property & Plant Breeders' Rights	2
Total	30