



UNIVERSITÀ DI PAVIA

Anno Accademico 2018/2019

PLANT BIOTECHNOLOGIES	
Enrollment year	2017/2018
Academic year	2018/2019
Regulations	DM270
Academic discipline	BIO/04 (PLANT PHYSIOLOGY)
Department	DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY "LAZZARO SPALLANZANI"
Course	ADVANCED BIOTECHNOLOGY
Curriculum	PERCORSO COMUNE
Year of study	2°
Period	2nd semester (01/03/2019 - 14/06/2019)
ECTS	6
Lesson hours	48 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	BALESTRAZZI ALMA (titolare) - 3 ECTS MACOVEI ANCA - 3 ECTS
Prerequisites	Knowledge of Plant Biology, Molecular Biology and Genetics
Learning outcomes	To acquire knowledge on the molecular basis of crop genetic improvement together with the most innovative techniques. Acquire knowledge on the biotechnologist' role in the Industry Sector.
Course contents	Genetically Modified Plants: technology and essential applications. The Seed Technology Industry as an example of how a Company works in terms of R&D, with a look at other field of the plant biotech industry.
Teaching methods	Frontal lessons and practical approaches

**Recommeneded or required
readings**

Texts and Power point presentations supplied by the teachers

oral examination including a presentation of a scientific research article
chosen by the examinees

The part addressing the biotechnologists' role in Industry will be held by Dr. Ineke Wijkamp (Hoopman Group, The Netherlands), as 'Visiting Professor'. These lessons will be held in English.

