**MASTER IN PLANT BIOTECHNOLOGY**

**Program Description:**

**Semester 1**

Fundamental Teaching Unit 1

*Matter 1 Applied Biochemistry*

*Matter2 Plant Biotechnology*

Fundamental Teaching Unit 2

*Matter 1 Plant Genetics*

*Matter 2 Molecular biology*

Methodology Teaching Unit

*Matter 1 Bioinformatics*

*Matter 2 Strategies experiments in biology*

Discovery Teaching Unit

*Matter 1 Analysis bibliographic*

Transversal Teaching Unit

*Matter 1 Communication*

**Semester** 2

Fundamental Teaching Unit 1

*Matter 1 Biodiversity and plant improvement*

*Matter2 Biotechnology of the environment*

Fundamental Teaching Unit 2

*Matter 1Angiosperms to medicinal interest*

*Matter2 Molecules of interest pharmacological*

Methodology Teaching Unit

*Matter 1 Methods and Analysis Techniques*

*Matter 2 Hygiene and safety in laboratory*

Discovery Teaching Unit

*Matter 1 Article Analysis*

Transversal Teaching Unit

*Matter 1 Legislation*

**Semester** 3

Fundamental Teaching Unit 1

*Topic 1 Plant Breeding Methodology*

*Topic2 Cell signaling and gene regulation*

Fundamental Teaching Unit 2

*Material 1 Applied plant physiology and biochemistry*

*Material 2 Techniques and applications of microbial fermentation*

Methodology Teaching Unit

*Material 1 Industrial uses of crop production*

*Material 2 Methodology of scientific research*

Discovery Teaching Unit

*Material 1 Evaluation and management of genetic resources*

Transversal Teaching Unit