

## EXTENSION OF CROP PROTECTION

<b>Bachelor Degree:</b>	Agricultural Engineering	<b>802G</b>
<b>Course title:</b>	Extension of Crop Protection	<b>579</b>
<b>Year/Semester:</b>	4Y / 1S	<b>ECTS Credits:</b> 4.5

### DEPARTMENT

Department of Agriculture and Food Science					
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### ENGLISH-FRIENDLY FACULTY

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### CONTENTS

PART I: INTRODUCTION TO THE INTEGRATED PESTS, DISEASES AND WEEDS MANAGEMENT.

1. Introduction to the Integrated Pests, Diseases and Weeds Management.
2. Keys in the decision-making in Integrated Pests, Diseases and Weeds Management: Injury Levels and Economic Thresholds, and monitoring and sampling:
- 3- Basics to Integrated Weeds Management application.
- 4- Basics to Integrated Diseases Management application.

PART II: CONTROL METHODS USED IN INTEGRATED PESTS, DISEASES AND WEEDS MANAGEMENT.

- 5- Chemical control. Side-effects.
- 6- Abiotic factors of the agroecosystem. Cultural, mechanical and physical methods.
- 7- Biotic factors of the agroecosystem. Biological control of pests, diseases and weeds.
- 8- Plant resistance: genetic control.
- 9- Biotechnical methods of pests control.

PART III: MANAGEMENT OF PESTS AND DISEASES OF SPECIAL INTEREST.

- 10- Integrated Pests Management of special interest.
- 11- Integrated Diseases Management of special interest.

### REFERENCES

Title
Principles of acarology
Integrated pest management: principles and practice
Plant pathology
Handbook of sustainable weed management
Insect management for food storage and processing
Plant pathologist's pocketbook

### EVALUATION SYSTEM

Reports and memories: 10%
Written exams 90%