

Applied Entomology

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Course outline

4 CFU in total (1 CFU lectures and 3 CFU practical activities)

The course aims to provide essential knowledge of morphology, anatomy and physiology, on the species of Insects that endanger natural environments, but also the knowledge of those species that are most useful in defeating harmful species, through integrated biological control, and those that are used to assess the health status of natural environments so as to implement environmental recovery and safeguarding actions.

The course covers the following topics:

- Principles of general entomology.
- Applied entomology in natural environments
- Main parasites in natural environments
- Main pest control methods
- Measuring biodiversity
- Insects as bio-indicators, generalities.
- Field activities and laboratory training

The course has a theoretical-practical character and consists of two parts.

The first part (1 CFU) will focus on theoretical aspects, presented to students through a series of lessons, with the help of audiovisual material. This will allow the student to acquire basic knowledge about biodiversity, how to measure it, how it can vary and what are the main factors that threaten it.

The second part (3 CFU) will consist in practical experiences, including the application of quality analysis methods for terrestrial and aquatic environments, through the use of bio-indicator arthropods, and laboratory exercises based on the recognition of the main families.