



FORENSIC METHODS - 1	
Enrollment year	2020/2021
Academic year	2021/2022
Regulations	DM270
Academic discipline	BIO/05 (ZOOLOGY)
Department	DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY "LAZZARO SPALLANZANI"
Course	EXPERIMENTAL AND APPLIED BIOLOGY
Curriculum	Bioanalisi
Year of study	2°
Period	(01/10/2021 - 14/01/2022)
ECTS	3
Lesson hours	24 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	LAMBIASE SIMONETTA - 3 ECTS
Prerequisites	The knowledge of the anatomy and physiology of insects and their reproductive and development modalities makes it easier to approach the discipline. However, any shortcomings are compensated for with lectures and suggested readings
Learning outcomes	application of the necrophilous insect eco-ethology to the forensic field
Course contents	Module 1. Forensic Entomology. Classification of the Exapoda. Anatomy, physiology, reproduction ed ethology of the insects. Necrophilous Insects: Diptera and Coleoptera; development cycle. Investigation and collection of specimens, their treatment(preservation and rearing) and determination. The useful of the Forensic Entomology. The succession of the insect waves (the successional method). Post-mortem Interval. Practical activities. Case reports.

**Reccomended or required
readings**

=Current Concepts in Forensic Entomology, Jens Amendt, M. Lee Goff, Carlo P. Campobasso, Martin Grassberger Editors, Springer Dordrecht Heidelberg London New York, 2010

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FORENSIC ENTOMOLOGY - The Utility of Arthropods in Legal Investigations Edited by Jason H. Byrd & James L. Castner. CRC press. 2010

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Forensic Entomology - An Introduction , Dorothy E. Gennard, W, 2007 John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, West Sussex PO19 8SQ, England, 2007

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The student is required to demonstrate the acquisition of the ability to
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