



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Economiche, Aziendali e Statistiche		
ACADEMIC YEAR	2021/2022		
BACHELOR'S DEGREE (BSC)	TOURISM SCIENCE		
INTEGRATED COURSE	RESPONSIBLE TOURISM AND ENVIRONMENTAL EDUCATION - INTEGRATED COURSE		
CODE	20479		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	BIO/05		
HEAD PROFESSOR(S)	LO BRUTTO SABRINA	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)	LO BRUTTO SABRINA	Professore Associato	Univ. di PALERMO
CREDITS	6		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	2		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Not mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<b>LO BRUTTO SABRINA</b> Monday 9:00 - 13:00 Gli studenti possono fissare un appuntamento in qualsiasi giorno via e-mail scrivendo a <a href="mailto:sabrina.lobrutto@unipa.it">sabrina.lobrutto@unipa.it</a>		

**DOCENTE:** Prof.ssa SABRINA LO BRUTTO

<b>PREREQUISITES</b>	General life sciences skills
<b>LEARNING OUTCOMES</b>	<p>Knowledge and understanding: Acquisition of theoretical and methodological knowledge in the field of zoology focused on understanding the mechanisms and the current and historical causes of the distribution and adaptations of the species. Recognition, through the use of specific systematic keys, of the main taxa that constitute the Italian fauna.</p> <p>Applying knowledge and understanding: Ability to use independently the acquired knowledge to describe the state of the environment depending on the species present.</p> <p>Making judgments: Ability to own interpretation of the data and of a conscious evaluation of the level of integrity of the animal component of biological systems.</p> <p>Communication skills: Ability to present with clarity and propriety of language skills acquired and to disclose with scientific rigor. Acquiring social skills needed to work in multidisciplinary studies in the area.</p> <p>Lifelong learning skills: Acquired ability to find information from the international zoological literature and to deepen and constantly update the material. Ability to undertake scientific and technical preparation and high degree of autonomy of zoological studies more in-depth.</p>
<b>ASSESSMENT METHODS</b>	<p>The assessment method is formulated on the basis of an oral test. Written tests are represented by an ongoing evaluation, to verify the knowledge of the disciplinary aim of the course.</p> <p>The oral test aims to verify the processing capacity and possession of an appropriate visual display mastery of the topics, the properties of language and the ability to apply knowledge and skills to solve problems proposed.</p> <p>The assessment is expressed in thirtieth and examination will be evaluated according to the following assessment:</p> <ul style="list-style-type: none"> <li>- Excellent corresponding to 30-30 cum laude</li> <li>- Very good equal to 26 - 29</li> <li>- Good 24-25</li> <li>- Satisfactory 21-23</li> <li>- Sufficient 18-20</li> <li>- Insufficient &lt;18: does not have an acceptable knowledge of the contents of the topics</li> </ul>
<b>TEACHING METHODS</b>	Lectures

**MODULE  
MARINE BIODIVERSITY KNOWLEDGE AND ENHANCEMENT**

*Prof.ssa SABRINA LO BRUTTO*

**SUGGESTED BIBLIOGRAPHY**

Per lo studio:

- Primack & Boitani "Biologia della Conservazione" Ed. Zanichelli ISBN 978-88-08-17114-6
- Collana Quaderni Habitat

liberamente scaricabile da <https://www.minambiente.it/pagina/i-quaderni-habitat-collana>

N. 4 Dune e spiagge sabbiose. Ambiente tra terra e mare

N. 7 - Coste marine rocciose. La vita fra rocce e salsedine

N. 8 - LAGHI COSTIERI E STAGNI SALMASTRI. UN DELICATO EQUILIBRIO FRA ACQUE DOLCI E SALATE

N. 11 - Pozze, stagni e paludi. Le piccole acque, oasi di biodiversità

N. 16 - Dominio pelagico. Il Santuario dei cetacei "Pelagos"

N. 22 - Biocostruzioni marine. Elementi di architettura naturale

N. 23 - Lagune, estuari e delta. Una frontiera fra mare e fiumi

N. 24 - Gli habitat italiani. Espressione della biodiversità

Per la consultazione:

Danovaro "Biologia marina" Ed. UTET ISBN 9788860085313

Marco Bertolino e Maria Paola Ferranti "Pinneggiando nei mari italiani: Atlante della flora e della fauna" Ed. Hoepli ISBN 978-88-203-8558-3

Trainito "Atlante di flora & fauna del Mediterraneo" Ed. Il Castello ISBN 9788865201619

**AMBIT**

10669-Attività formative affini o integrative

**INDIVIDUAL STUDY (Hrs)**

51

**COURSE ACTIVITY (Hrs)**

24

**EDUCATIONAL OBJECTIVES OF THE MODULE**

The objectives that the teaching aims concern the acquisition of the main topics of environmental education and responsible tourism, with particular reference to the marine and terrestrial ecosystems; and acquisition of the main skills of scientific communication with reference to the marine fauna and the wildlife of the Sicilian region.

**SYLLABUS**

Hrs	Frontal teaching
8	Marine Zoology - main topics
8	Threats of marine Biodiversity
8	Sustainable Development and Science Education

**MODULE  
KNOWLEDGE AND ENHANCEMENT OF EARTH BIODIVERSITY**

*Prof.ssa SABRINA LO BRUTTO*

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