



Principali informazioni sull'insegnamento	
Academic subject	Field trip III year
Degree course	Bachelor's degree
Academic Year	III
European Credit Transfer and Accumulation System (ECTS):	: 1
SSD	BIO/03-BIO/07-GEO/04
Language	Italian
Academic calendar (starting and ending date)	II semester
Attendance	yes

Professor/ Lecturer	
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Department and address	Biology Department – Earth and Geo-environmental science, University Campus
Virtual headquarters	
Tutoring (time and day)	Tuesday 11-13; Wednesday 10-12; Friday 12,30-14,30

Syllabus	
Learning Objectives	To acquire basic knowledge and understanding on typology and structure of different ecosystems by means the observations of biotic and abiotic components during field activity.
Course prerequisites	Ecology, Geobotany, Environmental Geology e Geomorphology
Contents	The field trip consists of multidisciplinary activities during two days in areas of outstanding natural value, as an exercise to observe the environment and to understand the complexity of different ecosystems. In different years, Parks and protected areas have been explored, namely the National Park of Abruzzo, Lazio and Molise, the National Park of Pollino, the Tremiti Islands (Marine Protected Area inside the National Park of Gargano), in both terrestrial and marine environments. The study areas will be explored with a general analysis, observing the different plant and animal communities as well as geological components.
Books and bibliography	Teachers' notes
Additional materials	

Work schedule			
Hours			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
25	2	18	5
ETCS			

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<b>Teaching strategy</b>	
Discussions and interactions between teachers and students on understanding the natural value of the areas.	

<b>Expected learning outcomes</b>	To identify the typology of observed ecosystem and the functional interactions between biotic and abiotic components.
<b>Knowledge and understanding on:</b>	To acquire basic knowledge for understanding the environment and defining relationship between individuals and environment in the different ecosystems. This ability is promoted through continuous talks during the activities on field, also useful to informative activity.
<b>Applying knowledge and understanding on:</b>	Application and dissemination of integrated knowledge aimed to conservation and management of areas with outstanding natural value. During the activities, the student will be encouraged to compare the different interpretations for the considered issues.
<b>Soft skills</b>	<ul style="list-style-type: none"> <li>• Making informed judgments and choices Acquisition of autonomy in the evaluation and interpretation of the observed components. The students will be encouraged to discuss the case studies presented throughout the activities. This ability is promoted through continuous interactions during the activities on field.</li> <li>• Communicating knowledge and understanding Acquisition of the scientific terminology related to the ecosystems description with the aim to be able to communicate the scientific knowledge.</li> <li>• Capacities to continue learning Acquisition of the critical and speculative capacity in dealing with the topics and issues previously presented. The students will be encouraged to acquire this ability through the field activities.</li> </ul>

<b>Assessment and feedback</b>	
<b>Methods of assessment</b>	Written report on field activities
<b>Evaluation criteria</b>	<ul style="list-style-type: none"> <li>• Knowledge and understanding: Ability to integrate the knowledge on the single biotic and abiotic components according to a holistic approach.</li> <li>• Ability to apply knowledge and understanding: The student must be able to process in a correct way data collected during the expedition. The level of knowledge achieved and the criteria of reading environment will be verified by means of a written report also including photos of the field activity.</li> <li>• Autonomy of judgment: Knowing how to identify the distinctive biotic and abiotic elements of the explored environments shows maturity in the preparation and is positively judged. The student's effort will be assessed both during the excursion and when the report is delivered.</li> </ul>



	<ul style="list-style-type: none"><li>• <b>Communication skills.:</b> Knowing how to communicate the contents in a clear and scientifically correct way is considered fundamental for the positive outcome of the examination.</li><li>• <i>Capacità di apprendere:</i> The student must be able to develop the presented topics in integrated way. The assessment of the student's preparation aims to establish the ability to reason a holistic approach and the acquisition of specific language.</li></ul>
Criteria for assessment and attribution of the final mark	The final mark will be awarded on the basis of clarity of exposition, language property and educational capability.
<b>Additional information</b>	