



GIS ELEMENTS AND INTRODUCTION TO SPATIAL ANALYSIS OF DATA MOD.2

Enrollment year	2017/2018
Academic year	2019/2020
Regulations	DM270
Academic discipline	BIO/05 (ZOOLOGY)
Department	DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES
Course	NATURAL SCIENCES AND TECHNOLOGIES
Curriculum	PERCORSO COMUNE
Year of study	3°
Period	(01/10/2019 - 15/01/2020)
ECTS	3
Lesson hours	30 lesson hours
Language	Italian
Activity type	WRITTEN TEST
Teacher	CHIATANTE GIANPASQUALE - 3 ECTS
Prerequisites	None. However, to better learning it is suggested to have followed the course of Physical Geography and Cartography (I year)
Learning outcomes	<p>To learn basic knowledge of cartography and cartographic sampling methods in the field; to use and to apply in a basic way GIS software; to analyse and manage data of first and second level.</p> <p>The course is addressed to learn a useful tool with the aim of sustainable management of natural resources. This also to reach the goals of 2030 Agenda for Sustainable Development, particularly the n.13 ("Take urgent action to combat climate change and its impacts"), n.14 ("Conserve and sustainably use the oceans, seas and marine resources"), and n.15 ("Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss").</p>
Course contents	Practical application of the knowledge learned in the Part 1 of the

	course to data provided concerning animal and plant. Spatial analysis and based on attributes. Graphical representation and elaboration of thematic maps
Teaching methods	Practical exercise with PC and GIS software
Reccomended or required readings	None
Assessment methods	Practical test by using GIS software and data provided
Further information	
Sustainable development goals - Agenda 2030	\$lbl legenda sviluppo sostenibile