

General Information	
Academic subject	<u>Archeology of coastal and underwater landscapes</u>
Degree course	<u>2020-2021</u>
Curriculum	<u>LM-2 Archeologia</u>
ECTS credits	<u>9 CFU</u>
Compulsory attendance	No
Language	Italiano

Formattato: Tipo di carattere: Non Corsivo

Formattato: Italiano (Italia)

Subject teacher	Name Surname	Mail address	SSD
	<u>Giacomo Disantarosa</u>	<u>giacomo.disantarosa@uniba.it</u>	<u>L-ANT 08</u>

Formattato: Allineato al centro

Tabella formattata

ECTS credits details	
Basic teaching activities	<u>9 CFU</u>

Class schedule	
Period	<u>I semester</u>
Year	<u>I e II</u>
Type of class	Lecture- workshops

Time management	
Hours	<u>225</u>
In-class study hours	<u>63</u>
Out-of-class study hours	<u>162</u>

Eliminato: measured

Academic calendar	
Class begins	
Class ends	

Syllabus	
Prerequisites/requirements	<u>Knowledge of the methodology and technique of archaeological excavation and of the methods of reconnaissance of the archeology of landscapes</u>
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	<p><i>Knowledge and understanding</i></p> <p><u>The course aims to provide theoretical knowledge on the archeology of coastal and underwater landscapes (history of studies, sources for the reconstruction of landscapes, research methodology, protection, legislation) with insights on coastal infrastructures (ports, landings, anchorages, places of shipbuilding) and on the forms of exploitation of the coast (fish ponds, fish farms, quarries, places of worship, cave-shelters) in connection with naval archeology and trade (means of navigation, evolution of shipbuilding, main sea routes, wrecks and related loads, underwater sea, river and lagoon deposits connected to the understanding of the dynamics of the anthropic coastal landscape).</u></p> <p><i>Applying knowledge and understanding</i></p> <p><u>The course also provides practical knowledge through documentation exercises of sites and coastal and underwater topographic units with detection tools (applied cartographic knowledge; use of G.P.S. for positioning evidence; compilation of databases relating to site cards; evidence relief archaeological; use of the G.I.S.) and the filing of contexts, through the methods of direct and instrumental reconnaissance, the interpretation of the material culture linked to the places of exchange, port infrastructures and wrecks or submerged</u></p>

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deposits through the methods of classification and deepening of cognitive tools through comparison with specific and sectoral bibliography.

Making informed judgements and choices

The autonomy of judgment of the historical-critical knowledge and of the evaluation of the most appropriate techniques and strategies for the reconstruction of coastal and underwater archaeological landscapes is developed through the participation in in-depth seminars on the submerged cultural heritage with issues related also to basic knowledge the forms of protection of undeclared heritage regulated by specific legislation. Fundamental are also the exercises to be carried out in the field (coastal and underwater archaeological surveys) and participation in the laboratory activities (evaluation of the archive sources relating to previous investigations; cataloging and setting of the typology of the finds; implementation of archaeological data with the classification of the finds present in the Superintendency deposits or intended for educational-museum exhibitions; macroscopic sampling of the mixtures for archaeometric analysis; photographic documentation and archaeological drawing of the finds; bibliographic comparisons with published material) as well as educational visits to specialized museum centers.

Communicating knowledge and understanding

A good level of control of the language code spoken and written in the technical register is required. The achievement of this objective is directed towards the compilation of written forms (Coastal Topographic Unit, Underwater Topographic Unit; class, type) and the organization of work in a research team where to develop the ability to work and communicate in an integrated group and complementary, with different levels of autonomy. In particular, training is required to develop skills to explore and critically use the communication possibilities offered by new technologies and computer media (specific languages for the use of databases; G.P.S.; G.I.S., web G.I.S.). The acquisition and verification of the achievement of communication skills also take place during the performance of any internship and / or field exercises, as well as on the occasion of the final report for the final test.

Capacities to continue learning

The learning skills will be based on a constant self-test of the skills acquired: autonomous use in the library, in the laboratory and in performing data logging operations in the field during coastal and / or underwater reconnaissance and archaeological excavation activities; the integration between the various areas of archaeological research; learning the forms and methods of scientific and popular communication; the autonomous deepening and updating of one's knowledge; the ability to identify the appropriate tools and training paths for the development of one's own cultural and specialist knowledge and professional skills.

The training objectives include:

- identification, documentation and interpretation of stratigraphic sequences on the coast and of semi-submerged and underwater landscapes;
- knowledge of the various diagnostic procedures made available by modern technologies in the reading of the coastal, urban port and underwater territory;
- production and management of written, graphic and photographic

	<p>documentation, of the survey activities in the area both of the reconnaissance and of the coastal and underwater archaeological excavation;</p> <p>- management of modern information technologies, including databases, digitized archaeological maps and the production and management of editing of archaeological data in the telematic network;</p> <p>- identification of the first intervention procedures on archaeological heritage from coastal and underwater sites subject to risk of degradation, as a premise of the conservation and restoration intervention;</p> <p>- acquisition of adequate technical-scientific knowledge, including operational, on the morphological-structural characteristics of the cultural heritage, on the characteristics and properties of the materials that compose it, on archaeometric applications.</p> <p>The learning ability will be enhanced and monitored in the individual study foreseen, during the frontal teaching, the seminar activity, the exercises during the field activities (archaeological investigations such as reconnaissance and excavation campaigns; analysis and survey activities of the elevated and negative stratigraphy) and in the laboratory. In particular, the field and laboratory activities, due to the ways in which they are organized and managed, allow a constant and intense self-check of the knowledge and methods acquired.</p>
Contents	<p>1. Definition and introduction to the archeology of coastal and underwater landscapes;</p> <p>2. History of underwater archaeological research and coastal topography;</p> <p>3. Formation and characteristics of coastal and submerged sites;</p> <p>4. Ports, landings and coastal infrastructures: ancient techniques of construction in water between Antiquity and the Middle Ages;</p> <p>5. Methods, procedures and survey technologies for coastal, semi-submerged and submerged sites;</p> <p>6. The coastal, underwater archaeological site and the laboratory for documentation;</p> <p>7. Elements of naval archeology: ships, navigation, cargoes in the ancient world;</p> <p>8. Paths of cataloging of coastal and underwater sites, typological cataloging and documentation of the finds coming from coastal and underwater contexts of the coast of central Apulia.</p>
Course program	
Bibliography	<p>Reference texts</p> <p>Institutional part:</p> <p>G. Volpe, <i>Navale, archeologia e Subacquea, archeologia</i>, in R. Francovich, D. Manacorda (a cura di), <i>Dizionario di archeologia</i>, Laterza, Roma-Bari 2000, pp. 200-204, 319-327.</p> <p>F. Cambi (a cura di), <i>Manuale di archeologia dei paesaggi. Metodologie, fonti, contesti</i>, Carocci Editore, Roma 2011, pp. 31-93, 199-205.</p> <p>R. Petriaggi, B. Davidde, <i>Archeologia sott'acqua</i>, Fabrizio Serra Editore, Pisa-Roma 2007, pp. 15-108, 181-250.</p> <p>C. Beltrame, <i>Archeologia marittima del Mediterraneo</i>, Carocci Editore, Roma 2012, pp. 17-204, 251-286.</p> <p>S. Medas, <i>De rebus nauticis. L'arte della navigazione nel mondo antico</i>, «L'Erma» di Bretschneider, Roma 2004, pp. 9-108.</p> <p>P.A. Gianfrotta, <i>Topografia e contesti archeologici sottomarini</i>, in D. Gandolfi (a cura di), <i>Archeologia subacquea. Storia, organizzazione, tecnica e ricerche</i>, Istituto Internazionale di Studi Liguri, Bordighera 2017, pp. 187-205.</p> <p>G. Buscemi Felici, E. Felici, L. Lanteri (eds.), <i>Produzioni antiche sulla costa sud orientale della Sicilia. Saggi di topografia ANTICA litoranea</i>, Edipuglia, Bari 2020, pp. 5-31.</p>

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	<p>Recommended optional readings: <u>John Mack, <i>Storia del Mare</i>. Odoya, Bologna 2014, pp. 13-25; 195-254.</u> <u>Th.J. Maarleveld, U. Guérin, B. Egger (a cura di), <i>Manual for Activities directed at Underwater Cultural Heritage. Guidelines to the Annex of the UNESCO 2001 Convention</i>, United Nations Educational, Scientific and Cultural Organization, Paris 2013, pp. 15-59 [pdf da scaricare: http://www.unesco.org/culture/en/underwater/pdf/UCH-Manual.pdf]</u></p> <p>Monographic part: <u>R. Auriemma, G. Mastronuzzi, P. Sansò, <i>I siti archeologici costieri come markers delle variazioni del livello del mare: le evidenze salentine</i>, in Atti del XLII Convegno di Studi sulla Magna Grecia (Taranto-Matera, 5-8 ottobre 2002), Istituto per la Storia e l'Archeologia della Magna Grecia - Taranto, Napoli 2003, pp. 515-521.</u> <u>R. Auriemma, <i>Nuovi dati dalla costa adriatica e ionica del Salento</i>, in "Histria Antiqua", 21, 2012, pp. 539-556.</u></p>	<p>Formattato: Tipo di carattere: Grassetto</p> <p>Formattato: Tipo di carattere: Grassetto</p> <p>Formattato: Giustificato</p>
Notes	<p>Additional bibliography for non-attending students: <u>P.A. Gianfrotta, G. Scardozzi, <i>Strutture costiere e sommerse</i>, in M. Guaitoli (a cura di), <i>Lo sguardo di Icaro: le collezioni dell'Aerofototeca Nazionale per la conoscenza del territorio</i>, Campisano Editore, Roma 2003, pp. 479-492.</u> <u>E. Felici, <i>Dalla latomia al cantiere. il trasporto nautico della pietra</i>, in G. Buscemi Felici, E. Felici, L. Lanteri (eds.), <i>Produzioni antiche sulla costa sud orientale della Sicilia. Saggi di topografia ANTICA litoranea</i>, Edipuglia, Bari 2020, pp. 147-174.</u></p>	<p>Formattato: Tipo di carattere: Grassetto</p> <p>Formattato: Giustificato</p>
Teaching methods	<p>The course is organized in a single module through lectures alternated with <u>any practical exercises at the StudiUm Laboratory - Archeology Section (S. Teresa dei Maschi complex, Strada Torretta, Old Town - Bari)</u>, educational visits to museums, permanent exhibitions and shipyards traditional (ethno-archeology courses). The course also provides for the possibility of participation in coastal and underwater reconnaissance activities (the latter aimed at those in possession of a specific patent) organized at the end of the classroom course.</p>	<p>Formattato: Giustificato</p>
Assessment methods (indicate at least the type written, oral, other)	<p><u>Oral interview and proof of recognition of images and procedures for the classification of finds from coastal and underwater archaeological contexts.</u></p>	<p>Formattato: Giustificato</p>
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are.)	<p><u>The evaluation criteria are based on the verification by the student of the degree of theoretical knowledge on the contents and methodologies and techniques of the archeology of coastal and underwater landscapes. The results of the learning path will also be based on finding what has been learned during the attendance of laboratory activities (procedures for classifying findings from coastal and underwater archaeological contexts) and from field research activities (coastal and underwater archaeological surveys).</u></p>	<p>Formattato: Giustificato</p>
Further information	<p>Hours and place of reception: <u>Wednesday, from 11 to 13 (plexus of S. Teresa dei Maschi, Strada Torretta, Old Town - Bari). We recommend, however, to agree in advance with the teacher for an appointment, by e-mail.</u> <u>Students can consult the teacher page on the Department website: https://www.uniba.it/ricerca/dipartimenti/disum/dipartimento/personale/personale-docente</u> <u>Reception hours are subject to change. Students are asked to check the notice page for any changes in the timetable.</u></p>	<p>Eliminato: for each learning outcome expected said, describe what you expect the student knows or is able to do and at what level, in order to demonstrate that a learning outcome has been achieved and at what level)</p> <p>Formattato: Tipo di carattere: Grassetto</p> <p>Formattato: Giustificato</p>