



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	Scienze Agrarie, Alimentari e Forestali		
<b>ACADEMIC YEAR</b>	2023/2024		
<b>MASTER'S DEGREE (MSC)</b>	LANDSCAPE ARCHITECTURE		
<b>INTEGRATED COURSE</b>	OPEN SPACES DESIGN STUDIO - INTEGRATED COURSE		
<b>CODE</b>	21011		
<b>MODULES</b>	Yes		
<b>NUMBER OF MODULES</b>	2		
<b>SCIENTIFIC SECTOR(S)</b>	ICAR/14, AGR/03		
<b>HEAD PROFESSOR(S)</b>	SCIASCIA ANDREA	Professore Ordinario	Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	SCIASCIA ANDREA	Professore Ordinario	Univ. di PALERMO
	MARRA FRANCESCO PAOLO	Professore Ordinario	Univ. di PALERMO
<b>CREDITS</b>	10		
<b>PROPAEDEUTICAL SUBJECTS</b>			
<b>MUTUALIZATION</b>			
<b>YEAR</b>	2		
<b>TERM (SEMESTER)</b>	1° semester		
<b>ATTENDANCE</b>	Not mandatory		
<b>EVALUATION</b>	Out of 30		
<b>TEACHER OFFICE HOURS</b>	<p><b>MARRA FRANCESCO PAOLO</b></p> <p>Monday 09:00 11:00 Sede polo decentrato di Caltanissetta</p> <p>Tuesday 09:00 13:00 Ed. 4 H PT-98</p> <p>Thursday 09:00 13:00 Ed. 4 H PT-98</p> <p><b>SCIASCIA ANDREA</b></p> <p>Tuesday 09:00 12:00 DIPARTIMENTO D'ARCHITETTURA (FACOLTA DI ARCHITETTURA, edificio 14) primo piano, stanza n.110 - e in altri giorni sempre su prenotazione -.</p>		

<b>PREREQUISITES</b>	Knowledge required for enrollment in the Degree Course.
<b>LEARNING OUTCOMES</b>	<p>Knowledge and understanding</p> <p>Knowledge and understanding of the issues concerning:</p> <ul style="list-style-type: none"> <li>- contemporary architectural research on the project of the open spaces;</li> <li>- the design of an open space;</li> <li>- methodologies, theoretical and educational aspects of the architectural and urban design;</li> <li>- the techniques of planting, managing and maintaining trees in an urban environment according to their physiology;</li> <li>- the functions of trees and shrubs in urban environments such as parks, gardens, street trees and parking lots;</li> </ul> <p>Applied knowledge and understanding</p> <ul style="list-style-type: none"> <li>- Ability to apply the rules of the processes of the space composition of open spaces;</li> <li>- comprehension of physical, social and cultural contexts, through the reading and critical interpretation of physical reality;</li> <li>- ability to activate dialogue with the existent, through the significant modification of the space and the construction of a clear relationship with the place.</li> <li>- knowing how to act in the urban context with interventions based on the use of trees and shrubs;</li> <li>- applying urban green management taking into account the multifunctionality of trees;</li> </ul> <p>Autonomy of judgment</p> <ul style="list-style-type: none"> <li>- Knowing how to formulate autonomous and aware design solutions related to open spaces, critically founded, socially and economically sustainable;</li> <li>- knowing how to interpret the meaning and structure of places in their conditions, identifying the tools and materials suitable for a modification;</li> <li>- knowing how to grasp the relational meanings of open spaces and the relationship with the urban context.</li> <li>- knowing how to formulate answers to practical or theoretical problems by suggesting appropriate solutions for the best expression and evaluation of tree management in urban environment.</li> </ul> <p>Communication skills</p> <ul style="list-style-type: none"> <li>- Acquisition of an appropriate descriptive, expressive and communicative capacity of the project contents through the use of the design, the tools and the codes of the architectural representation, and of the text using traditional and innovative tools, including multimedia ones;</li> <li>- knowing how to explain ideas and proposals in an appropriate way, aimed at stimulating and promoting the understanding and participation of citizens (future users and / or clients) in the choices proposed in the project.</li> </ul> <p>The acquisition of these skills will be verified by presenting the progress of the project in the classroom.</p> <p>Learning skills</p> <p>Ability to synthesize (through the critical comparison and disciplinary intersections) the complex of theoretical and design aspects in view of the modification of physical space, attributing coherence and meaning to the formal, technical and functional contents.</p>
<b>ASSESSMENT METHODS</b>	<p>Evaluation criteria for the practical and oral test</p> <p>The examiner must demonstrate the knowledge and the skills acquired during the course through the presentation of one or more projects / exercises drawn up during the workshop and of the relative panels and representative models, based on what indicated by the teaching staff. The examiner will also have to answer at least one / two questions asked orally, on the project/s and on all the theoretical parts included in the program, with reference to the lessons, recommended texts and exercises developed during the course.</p> <p>The final assessment aims to assess whether the student developed the necessary skills for the control and representation of the architectural project and the knowledge of the theoretical issues that support it, in reference to the thematic and problematic level related to the course year attended. The threshold of sufficiency will be reached when the student, through the project documents and the related exposition, shows sufficient application of the skills in order to solve concrete cases and his knowledge and understanding of the topics covered, at least in general terms. The student will also have to possess expository and argumentative abilities such as to allow the transmission of his knowledge to the examiner. Below this threshold, the exam will be insufficient. The evaluation takes place in thirtieths.</p> <p>Description of evaluation methods</p> <ul style="list-style-type: none"> <li>- Excellent 30 - 30 cum laude. Excellent ability to apply knowledge and skills to solve the proposed design problems, excellent knowledge of topics, excellent language properties, excellent analytical skills;</li> <li>- very good 26 – 29. Good ability to apply knowledge and skills to solve proposed design problems, good mastery of the topics, full ownership of the language;</li> </ul>

	- good 24 – 25. Medium ability to autonomously apply knowledge and skills to solve the proposed design problems, basic knowledge of the main topics, fair language properties; - satisfactory 21 – 23. Limited ability to autonomously apply knowledge and skills to solve the proposed design problems, not full mastery of the main topics, sufficient language properties; - sufficient 18 – 20. Minimum ability to autonomously apply knowledge and skills to solve the proposed design problems, poor mastery of the main topics and technical language, minimal language properties; - insufficient. Insufficient capacity to autonomously apply the knowledge and skills necessary to solve the proposed design problems, unacceptable knowledge of the contents of the topics covered teaching.
<b>TEACHING METHODS</b>	Frontal lessons; laboratory activities; seminars; surveys.

**MODULE**  
**TREE LINES AND HEDGEROWS STUDIO**

*Prof. FRANCESCO PAOLO MARRA*

**SUGGESTED BIBLIOGRAPHY**

Toccolini A, Fumagalli N., Senes G. Progettare i percorsi verdi. Manuale per la realizzazione di greenways Maggioli editore, 2004

Monti A.L., Boriani M.L.. La progettazione paesaggistica delle strade. Mitigazione degli impatti paesaggistici mediante la vegetazione. Dario Flaccovio Editore, Palermo, 2011

Ferrini F. Amico albero. Ruoli e benefici del verde nelle nostre città (e non solo). Edizioni ETS. 2017

<b>AMBIT</b>	20873-Attivit Formative Affini o Integrative
<b>INDIVIDUAL STUDY (Hrs)</b>	51
<b>COURSE ACTIVITY (Hrs)</b>	24

**EDUCATIONAL OBJECTIVES OF THE MODULE**

The module aims to provide students with the methodological and technical tools for planning and designing tree-lined rows. In particular, aspects relating to the function and historical evolution of trees, the design, the type of green spaces, the criteria for choosing the species for the urban environment, the planting technique and maintenance will be the subject of specific attention. Through a schematic and vertical analysis of the peculiar aspects inherent to the different tree species, the student will be able to acquire the most suitable technical and application knowledge to face the problems related to the conception and realization of urban and suburban trees.

**SYLLABUS**

<b>Hrs</b>	<b>Frontal teaching</b>
2	The types of green spaces: historical profile; Classification criteria
4	Vegetation functions in tree-lines. Green infrastructure and greenways.
4	Tree-lines in the urban environment. Technical elements and principles of management.
2	Tree systems in the periurban interface
<b>Hrs</b>	<b>Practice</b>
4	Field trips and surveys. Data gathering for the development of case-studies
<b>Hrs</b>	<b>Workshops</b>
8	Laboratory: analysis and design of case-studies in tree-linear systems in relation to functional aspects of vegetation