



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Architettura		
ACADEMIC YEAR	2022/2023		
MASTER'S DEGREE (MSC)	ARCHITECTURE FOR THE SUSTAINABLE PROJECT IN THE BUILT ENVIRONMENT		
INTEGRATED COURSE	URBAN DESIGN FOR SUSTAINABLE TOWN - INTEGRATED COURSE		
CODE	21644		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	ICAR/21, IUS/10		
HEAD PROFESSOR(S)	VINCI IGNAZIO MARCELLO	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)	SCALA GIOVANNI VINCI IGNAZIO MARCELLO	Ricercatore Professore Associato	Univ. di PALERMO Univ. di PALERMO
CREDITS	14		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	1		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Not mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<p>SCALA GIOVANNI Monday 10:00 13:00 Dipartimento di Giurisprudenza, sezione di diritto pubblico, secondo piano, stanza n. 48</p> <p>VINCI IGNAZIO MARCELLO Thursday 10:00 13:00 Dipartimento di Architettura - Edificio 8 - Il Piano (Stanza 38)</p>		

PREREQUISITES	There is no mandatory prerequisite.
LEARNING OUTCOMES	<p>Knowledge and understanding The student will acquire awareness on the function of spatial and urban planning, including its legal framework, with a specific focus on the preservation of the environmental resources. Particularly, he will be led to apply different nature-based planning solution into an regeneration project.</p> <p>Applying knowledge and understanding Through the presentation of different case studies and the carrying on of practical activities, the student will be stimulated to apply a variety of methodologies and techniques to different urban contexts. With this aim, the Project work is conceived to allow the student to apply his knowledge in a cognitive process of growing complexity, from the analysis of an urban context to the identification of planning solutions.</p> <p>Judgments At the end of the course the student will acquire a specific understanding of the cities' transformation processes, to identify the more proper planning tools to promote sustainable development in urban areas, to understand the limitations given to urban development by the legal framework.</p> <p>Communicative skills During the lectures and practical activities, the student will be stimulated to develop his own capacity to interact on issues of general and specific relevance. Furthermore, he will be also asked to present the results of planning activity with the help of a variety of communicative tools, including multimedia presentations, digital mapping and other advanced drawing tools for the built environment.</p> <p>Learning skills The student will be led to recognize the relevance of a multidisciplinary approach to learning, as well as provided with all the needed sources to ensure his professional development. Further data and digital sources will be provided to students during the practical activities in order to ensure their full independency.</p>
ASSESSMENT METHODS	<p>The final assessment is carried out through an oral examination, aimed at: (a) to understand the level of competency reached by the student on the topics treated in the lectures (for both the modules) and (b) the level of quality reached in the Project work activities, limited to the Workshop outcomes. The evaluation is made after a unique final exam, while the grade assigned will result from the assessment of both the two types of learning activities being evaluated. Although working groups for the Project work are allowed, the student's evaluation is individual and the oral exam might imply different marks among the candidates.</p> <p>The criteria for evaluation are as follows:</p> <p>Grade: Excellent. Rating: 30-30 with distinction. Excellent knowledge of the topics and very good language skills. Good analytical skills. The student is able to use the knowledge he/she has acquired to solve problems.</p> <p>Grade: Very good. Rating: 26-29. Good grasp of the topics. Sound language skills. The student is able to use the knowledge he/she has acquired to solve problems.</p> <p>Grade: Good. Rating: 24-25. Basic knowledge of the main topics. Fair language skills with limited ability to independently use the knowledge acquired to solve problems.</p> <p>Grade: Satisfactory 21-23. The student lacks a firm grasp but has some knowledge of the main topics. Satisfactory language skills. Low ability to independently use the knowledge acquired..</p> <p>Grade: Sufficient 18-20. Minimum basic knowledge of the main topics and technical language. Very low ability to independently use the knowledge acquired.</p> <p>Fail: The student does not have an acceptable knowledge of the topics.</p>
TEACHING METHODS	<p>The course is taught through lectures and practical activities (Project work). The first are intended to transfer to students the knowledge needed to understand the functions and techniques of urban planning, including its legal framework, with a specific focus to the ecological domain. Practical activities, instead, are aimed to develop an analysis of an urban site in order to draft a planning proposal. Both the lectures and practical activities are supported by multimedia presentation and documents made available in the professor's web site.</p>

**MODULE
TOWN PLANNING LAW**

Prof. GIOVANNI SCALA

SUGGESTED BIBLIOGRAPHY

G. Pagliari, Manuale di diritto urbanistico, Giuffrè Francis Lefebvre, Milano, ult. ed.

P. Urbani – S.Civitarese Matteucci, Diritto urbanistico, Organizzazione e rapporti, Giappichelli, Torino, ult. ed.

AMBIT	50397-Discipline economiche, sociali, giuridiche per l'architettura e l'urbanistica
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INDIVIDUAL STUDY (Hrs)	64
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COURSE ACTIVITY (Hrs)	36
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EDUCATIONAL OBJECTIVES OF THE MODULE

Provide the knowledge and skills necessary to interpret the law.

Provide the knowledge and skills necessary to understand the forms of administrative power.

Provide the knowledge and skills necessary to place urban planning and building regulation law in the more general framework of the administrative system.

Provide the knowledge and legal skills necessary for the building regulation and urban planning.

SYLLABUS

Hrs	Frontal teaching
2	System of urban planning and building regulation law
4	The allocation of the legislative power and of the administrative functions
2	Real property in the Italian Constitution
2	The urban planning power and administrative discretion
4	Urban planning: legal paradigms and concrete models
2	The equalization and the compensation mechanisms, the rewards in the urban planning and buildings regulation
4	General Urban Planning
2	General Urban Planning in Sicily
2	The implementing urban planning tools
2	The special plans
2	Compulsory purchase
4	Building Regulations: il riparto della potestà normativa e l'allocazione delle funzioni amministrative
2	Building activity and authorizations
2	The control of the urban planning and building activities

MODULE
URBAN DESIGN FOR THE ECOLOGICAL CITY - WORKSHOP

Prof. IGNAZIO MARCELLO VINCI

SUGGESTED BIBLIOGRAPHY

CIRIA (2015), The SuDS Manual, London.
 Douglas et al. (2021), The Routledge Handbook of Urban Ecology, Routledge, London-New York.
 European Commission (2014), Nature-Based Solutions & Re-Naturing Cities, Bruxelles.
 Palazzo D., Steiner F. (2012), Urban Ecological Design: A Process for Regenerative Places, IslandPress, Washington.
 Selicato F., Rotondo F. (2010), Progettazione urbanistica. Teorie e tecniche, McGraw-Hill, Milano.
 University of Arkansas (2010), Low Impact Development: a design manual for urban areas, Fayetteville.
 Vinci I. (2020), Progettare lo sviluppo sostenibile nelle città, Carocci, Roma.

AMBIT	50391-Progettazione urbanistica e pianificazione territoriale
INDIVIDUAL STUDY (Hrs)	110
COURSE ACTIVITY (Hrs)	140

EDUCATIONAL OBJECTIVES OF THE MODULE

The overall objective of the course is providing a set of theoretical, analytical and interpretative tools to make students able to understand an urban area from an environmental perspective and develop an urban project through an ecological approach. The student will develop these skills through a learning process that is based on the following two main educational steps:

- Lectures, from which the student will acquire the theoretical, normative and technical bases in order to understand the role and functions of the planning and policy tools to protect the environment in urban areas.
- a Project work, during which the student will be called to apply the techniques learned to a practical case of a sustainable urban transformation.

SYLLABUS

Hrs	Frontal teaching
4	Introduction to urban planning: origins, evolution and challenges within the contemporary city
3	The protection of the environment in the land-use plans
3	The protection of the environment in the spatial plans
3	The protection of the environment in the landscape plans
3	The protection of the environment in the river basin plans
3	Urban policies for sustainable development
3	Climate adaptation plans
3	Urban ecological design: applications and case studies
3	Nature-based solution in urban regeneration and design
Hrs	Workshops
8	Morphological analysis of the project area: natural environment
8	Morphological analysis of the project area: built environment
8	Functional analysis of the project area: public functions
8	Functional analysis of the project area: economic functions
8	Preliminary development plan: thematic strategies and guidelines
8	Preliminary development plan: masterplan
8	Preparation of a detailed masterplan: identification of project's elements
8	Preparation of a detailed masterplan: drafting
8	Detailed masterplan: study on buildings through sections
8	Detailed masterplan: study on buildings through ground floor plans
8	Detailed masterplan: study on green areas and open spaces (plans and sections)
8	Detailed masterplan: study on green and open areas (details on vegetation and paving solutions)
8	Project work presentation: graphic layout
8	Project work presentation: texts