



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Architettura		
ACADEMIC YEAR	2022/2023		
MASTER'S DEGREE (MSC)	ARCHITECTURE		
SUBJECT	ARCHITECTURAL DESIGN IV- STUDIO		
TYPE OF EDUCATIONAL ACTIVITY	B		
AMBIT	50665-Progettazione architettonica e urbana		
CODE	04253		
SCIENTIFIC SECTOR(S)	ICAR/14		
HEAD PROFESSOR(S)	SCIASCIA ANDREA	Professore Ordinario	Univ. di PALERMO
	TESORIERE ZEILA	Professore Associato	Univ. di PALERMO
	MACALUSO LUCIANA	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)			
CREDITS	10		
INDIVIDUAL STUDY (Hrs)	110		
COURSE ACTIVITY (Hrs)	140		
PROPAEDEUTICAL SUBJECTS	04251 - ARCHITECTURAL DESIGN III - STUDIO		
MUTUALIZATION			
YEAR	4		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<p>MACALUSO LUCIANA Tuesday 09:00 12:00 DIPARTIMENTO DI ARCHITETTURA viale delle Scienze ed. 14 corpo C stanza 116</p> <p>SCIASCIA ANDREA 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> <p>TESORIERE ZEILA Monday 9:00 11:00 Il ricevimento ha luogo presso il Dipartimento di Architettura, ed. 14 del Campus. Esso si svolge su richiesta degli studenti, da inviare tramite mail a zeila.tesoriere@unipa.it</p>		

<p>PREREQUISITES</p>	<p>Knowledge of the theory of architecture in relation to the fundamental acts of place-making, modes of representation and the main directions of contemporary disciplinary debate. Ability to define and control moderately complex architectural projects. Ability to read the place and to weave new settlement relations through the architectural project, both of new realisation and of transformation of the existing.</p>
<p>LEARNING OUTCOMES</p>	<p>Knowledge and comprehension skills: Acquisition of control of the complexity of the design process in all its phases, with specific attention to the definition of meaningful and accomplished relationships within and outside the project: settlement and relationship with the urban context, in which the design of the soil and planting will play a decisive role; ways of defining the architectural form; adherence to the functional programme; coherence between the formal, structural, linguistic nature of the project. Understanding of the main issues that link the architectural project to the existing material (the physical system of the surrounding city, the real convergence of built and natural elements) and immaterial (cultural and social processes of which architecture is a part), in the context of the contemporary debate within the discipline, in which the student acquires an understanding of the project as an architectural interpretation of the issues posed by the ecological and energy transition and the climate crisis.</p> <p>Ability to apply knowledge and understanding: Students will acquire the ability to define and operate the procedures of architectural and urban design in the era of ecological transition applied to the case of an architectural/urban organism and in close relation to the context, in which the interaction with the pre-existing is extended to the nature of soils, vegetation, winds, sunshine and micro/mesoclimatic conditions of the contexts. Through the tool of the architectural and urban project expressed through manual and digital graphic methods and the construction of models, students will acquire the ability to control the process of formal and spatial definition of the transformations determined by the architectural project in relation to its own parts and the context in which it is inserted. Students will apply to architectural and urban design the understanding of physical, social and cultural contexts derived from the reading and critical interpretation of reality understood in a broad and mediated sense, also in relation to artistic and cultural productions such as cinema.</p> <p>Autonomy of judgement: Ability to develop autonomous reflection and critical evaluation of results, in the process of conception and development of project applications. Ability to autonomously identify and interpret architectural and urban issues expressed by the project theme and to grasp the influence of ecological, cultural and social issues.</p> <p>Communication skills: Ability to effectively express the path addressed and the results achieved or to be achieved, vis-à-vis interlocutors internal or external to the individual workshop, persisting the disciplinary specificity. This expressive effectiveness must be both verbal and applicative (manual and digital graphics, creation of models), relating to descriptive and design reflection, discussion and presentation of the objectives identified.</p> <p>Learning ability: The ability to learn the design process and to transfer it with rapidity into paths of verification and communication of the themes developed, also in relation to intermediate exercises in the form of extempore, will be stimulated. The student will have to develop a predisposition to listening and openness towards stimuli and interactions consistent with the project, even if not strictly disciplinary.</p>
<p>ASSESSMENT METHODS</p>	<p>Evaluation of the exercises / mid-term tests. Evaluation of the design work carried out during the course. Concluding examinations with graphics, models, oral test. Evaluation criteria for the practical and oral test: The examinee will have to demonstrate the knowledge and skills acquired during the course through the presentation of one or more projects/exercises drawn up during the workshop and the relevant representative graphs and models, on the basis of what is indicated by the lecturer. The student will also have to answer at least one/two oral questions on the project/s and on all the theoretical parts covered by the programme, with reference to the lectures, the recommended texts and the exercises developed during the course. The final examination is aimed at assessing whether the student, with reference to the thematic and problematic level related to the year of the course attended, has developed the necessary skills for the development, control and</p>

	<p>representation of the architectural project and on the knowledge of the theoretical issues that support it.</p> <p>The threshold of sufficiency will be reached by the student who demonstrates sufficient competence in the resolution of design issues congruent with the year attended and has knowledge, comprehension and ability to give an oral account of the topics covered, at least in general terms. Below this threshold, the examination will be insufficient.</p> <p>Assessment is in thirtieths.</p> <p>Description of assessment methods: grading. Result</p> <ul style="list-style-type: none"> - excellent (30 - 30 cum laude): excellent ability to autonomously apply knowledge and skills to solve the proposed design problems; excellent descriptive ability of the architectural and urban themes of the project area and of the design solutions adopted through the graphic methods envisaged by the workshop; excellent knowledge of the topics, excellent command of the language in transferring the arguments to the examiners, both during the final examination and during the intermediate revision sessions. - very good (26 - 29): Good ability to apply knowledge and skills to solve proposed design problems with a fair degree of autonomy, good command of topics, full command of language. - good (24 - 25): average ability to independently apply knowledge and skills to solve proposed design problems, basic knowledge of the main topics, good command of language - satisfactory (21 - 23): limited ability to independently apply knowledge and skills to solve proposed design problems, does not have full command of the main topics, satisfactory command of language - sufficient (18 - 20): minimal ability to independently apply knowledge and skills to solve proposed design problems, poor command of main topics and technical language, sufficient command of language insufficient: has not acquired the knowledge and skills transmitted by the teaching, has not developed sufficient ability to independently apply these skills to solve the proposed design problems, does not possess acceptable knowledge of the content of the topics covered in the teaching.
EDUCATIONAL OBJECTIVES	<p>The objective of the workshop is to establish the conditions so that, at the end of the 4th year of the course, the student knows how to carry out</p> <ul style="list-style-type: none"> - the definition of a complex architectural and urban project, developing it at the various scales of representation, from the general to the detailed, controlling the process of formal definition in relation to its insertion in the site, the techniques and materials adopted and the functional programme the design of one or more service facilities and their context of pertinence, higher-ranking equipment intended for users settled in a territorial radius, even a wide one, controlling - at the different scales of representation - the transformation operated in relation to the surroundings; the space of relationship between the designed buildings and the surroundings, understood as a complex of built and natural elements.
TEACHING METHODS	Lectures. Classroom exercises. Seminars. Field visits, workshops
SUGGESTED BIBLIOGRAPHY	<p>«Lotus » n. 149, Lotus in the fields, Editoriale Lotus, Milano 2012, ISSN: 1124-9064.</p> <p>Mancuso, Stefano, La nazione delle piante, Bari_roma, Giuseppe Laterza, 2019.</p> <p>Estratti di testi e dispense forniti dalla docenza.</p>

SYLLABUS

Hrs	Frontal teaching
2	Introduction to the course. Presentation of topics, project site and teaching methods.
2	Architectural forms of ecological transition
2	Architecture, global warming and cities
2	The materials of architectural design in transition: air, water, earth and fire.
2	The language and space of architecture. Observing, describing: redesign, interpretation and criticism.
2	Reading and representing place
2	Project layout: types and principles
Hrs	Practice
8	Extempore
8	Introduction to the design of a complex urban system
Hrs	Workshops
95	Design of a complex building system in an urban centre. Drawings, model, concluding written report (semi-intensive teaching mode)

Hrs	Others
15	Seminars, guided tours, inspections

<p>PREREQUISITES</p>	<p>Knowledge of the architectural theory in relation to the fundamental acts of construction of the place, the methods of representation and the main orientations of the contemporary disciplinary debate. Ability to define and control architectural projects of medium complexity. Ability to read the project site and to weave new settlement relationships through the architectural project, either a new building then in transforming the context.</p>
<p>LEARNING OUTCOMES</p>	<p>Knowledge and understanding: Knowledge of descriptive and design process regarding architectural artifacts in their urban relations. Specific attention will be paid to some conditions that are necessary for understanding them: the location and relationship with the urban surroundings, in which the project of the ground and the planting will play a decisive role; procedures for defining the architectural form; adherence to the functional program; coherence between the formal, structural, linguistic dimensions of the project. Understanding of the major issues that link up the project with the tangible (the physical system of the surrounding context, at the concrete convergence of natural and built matters) and intangible (cultural and social processes of which architecture is a part) architectural realm, within the internal debate in the contemporary discipline, in which the student will acquire an assessment of the project intended as the architectural interpretation of the urgent issues posed by the ecological /energy transition and the climate crisis. - Ability to apply knowledge and understanding: The knowledge and skills evoked in the previous paragraph will be applied by the student through the project of an architectural and urban system to be developed in the era of the ecological transition applied to the case of an architectural / urban organism and in close relation to its context, reframing the interaction with the pre-existing in regard to the nature of the ground, vegetation, winds, sunshine and micro / mesoclimatic conditions of the contexts. Through the architectural and urban project tool expressed through manual and digital graphic methods and the construction of models, students will acquire the ability to control the process of formal and spatial definition of the transformations determined by the architectural project in relation to its own parts and with the context in which it is inserted. Students will apply the understanding of physical, social and cultural contexts derived from the reading and critical interpretation of reality in a broad and mediated sense to the architectural and urban project, also in relation to artistic productions and cultural productions such as cinema. - Judgement Autonomy Ability to establish operate and explain the issues regarding their own design process, understood as a transformative process of the existing context. Ability to observe and interpret the topics expressed by emblematic examples of architecture and to grasp analogies and insights to build up its own system of references. Ability to identify and interpret the architectural issues expressed by the project theme, and to comprehend the influence of ecological, cultural and social issues outlines. Ability to exercise their independent judgment with respect to that proposed by the teacher. - Communication Abilities Ability in expressing their ideas, problems and solutions conclusion , verbally and graphically. Communicate clearly and unambiguously the objectives reached or to reach, to both their peers and the larger scholars community, persisting the disciplinary specificity. - Learning Ability: In reference to the content and methods of the course, students will be able to transfer them quickly in paths of verification and communication of the developed themes, such as intermediate exercises in the form of extempore. The student must develop a predisposition to listening and openness to solicitations and interactions consistent with the project, even if not strictly disciplinary</p>
<p>ASSESSMENT METHODS</p>	<p>- ASSESSMENT METHODS Final Oral Examination. Evaluation of the exercises, seminars and the project carried out during the workshop, also with reference to ongoing evaluation. The final evaluation will identify skills and knowledge through the presentation of the drawings and models developed during the laboratory. Evaluation of the exercises and the project developed during the workshop. - ASSESSMENT CRITERIA The candidate must demonstrate knowledge and skills acquired during the workshop, through the presentation of the project and the practicals developed all along the studio, as to be able to express his abilities by related drawings, models and other graphic descriptions as indicated by the teacher. The candidate must also be able to answer orally at least four oral questions, on all of the topics described in the list below as studied in the suggested readings list provided below. There will be at least one question for each suggested book. In the answers, the candidate must also refer to the topics discussed during the lessons and the project developed during the lab. The final evaluation aims at appraising whether the student possesses a good knowledge and comprehension of the topics, and whether he has acquired the ability to interpret and the autonomously judge actual cases, whether he has developed the skills necessary for the development, control and representation of an urban project located in a real context and understood in its architectural and urban values, as well as the knowledge of the theoretical questions that support it. The pass mark will be reached by a student demonstrating sufficient ability in solving concrete cases related to urban design problems, and showing</p>

	<p>a sufficient knowledge and understanding of the topics and the skills related to the studio, at least in general terms. (basic skills in describing architectural and urban facts through at least the traditional drawing techniques; To trace the history of the recent transformations of the project area, to evaluate its urban role in the wider context in which it is inserted; To identify simple transformation objectives and architectural devices to achieve them, etc.) The student will also demonstrate communication and argumentative ability as to allow the transmission of his knowledge to the examiner. Below this threshold, the examination will be insufficient. On the contrary, the more the student will be able to interact with the examiner and discuss the topics, and the more he will prove to have acquired the basics of Urban design, the higher will the evaluation grade be. The assessment is carried out of thirty. - excellent (30 - 30 cum laude): Excellent ability to apply autonomously knowledge and skills to solve concrete and theoretical design problems; excellent ability in graphical description of architectural and urban issues related to the project area and the project solutions adopted, according to the methodology of the studio. Excellent knowledge of the theoretical subjects related to the studio; excellent property of language, excellent analytical skills - very good (26 - 29): Relevant ability to apply knowledge and skills to solve concrete and theoretical design problems, relevant knowledge of the theoretical subjects related to the studio; full property of language - good (24 - 25): Medium ability to independently apply knowledge and skills to solve concrete design problems, good knowledge of the main topics; good properties of language - average (21 - 23): Limited ability to independently apply knowledge and skills to solve concrete design problems, not full mastery of the main arguments, acceptable property of language - Pass (18 - 20): Minimum ability to independently apply knowledge and skill to solve design problems, poor command of the main topics and the technical language, minimal property of language - Fail : The student has not acquired the knowledge and skills transmitted from teaching, has not developed sufficient capacity to independently apply these skills to solve problems of the proposed project, It does not have an acceptable knowledge of the contents of the topics covered in the teaching.</p>
EDUCATIONAL OBJECTIVES	<p>The main goal of the laboratory is to establish the conditions so that, at the end of the 4th year of the course, the student is able to perform: - the definition of a complex architectural and urban project, developing it at different scales of representation, from the general ones to the detailed ones, controlling the formal definition process in relation to the insertion in the place, the techniques and materials adopted and the program functional; - the design of one or more service structures and their pertinent context, higher-ranking equipment intended for users located in even a wide territorial range, controlling - at different scales of representation - the transformation made in relation to the surroundings; the space of relationship between the designed buildings and their surroundings, understood as a complex of built and natural elements.</p>
TEACHING METHODS	Lectures, Practicals, Seminars, Site Visit.
SUGGESTED BIBLIOGRAPHY	- «Lotus » n. 149, Lotus in the fields, Editoriale Lotus, Milano 2012, ISSN: 1124-9064. - Mancuso, Stefano, La nazione delle piante, Bari_roma, Giuseppe Laterza, 2019. - Estratti di testi e dispense forniti dalla docenza.

SYLLABUS

Hrs	Frontal teaching
2	Introduction to the studio Presentation of the didactic goals, of the main issues, of the location, of the didactic methodology, of the evaluation methods and criteria
2	The Architectural forms in the ecological transition
2	Architecture, the global warming and the city
2	The Architectural substances in the era of ecological transition: air, water, earth and fire
2	Architectural space and its language: Observing, describing: re-drawing, interpretation and criticism
2	Understanding and representing the project site
2	Setting the project: Type and principles
Hrs	Practice
8	Ex tempore
8	Preliminary practices to the architectural design of a complex urban system
Hrs	Workshops
95	Project of a complex built system in an urban center. Drawings, model, final written report (semi-intensive teaching method)
Hrs	Others
15	Seminars, guided tours, site visits

PREREQUISITES	<p>Knowledge of the architectural theory in relation to the fundamental acts of construction of the place, the methods of representation and the main orientations of the contemporary disciplinary debate.</p> <p>Ability to define and control architectural projects of medium complexity.</p> <p>Ability to read the project site and to weave new settlement relationships through the architectural project, either a new building then in transforming the context.</p>
LEARNING OUTCOMES	<p>-Knowledge and understanding: Knowledge of descriptive and design process regarding architectural artifacts in their urban relations. Specific attention will be paid to some conditions that are necessary for understanding them: the location and relationship with the urban surroundings, in which the project of the ground and the planting will play a decisive role; procedures for defining the architectural form; adherence to the functional program; coherence between the formal, structural, linguistic dimensions of the project. Understanding of the major issues that link up the project with the tangible (the physical system of the surrounding context, at the concrete convergence of natural and built matters) and intangible (cultural and social processes of which architecture is a part) architectural realm, within the internal debate in the contemporary discipline, in which the student will acquire an assessment of the project intended as the architectural interpretation of the urgent issues posed by the ecological /energy transition and the climate crisis.</p> <p>-Ability to apply knowledge and understanding: The knowledge and skills evoked in the previous paragraph will be applied by the student through the project of an architectural and urban system to be developed in the era of the ecological transition applied to the case of an architectural / urban organism and in close relation to its context, reframing the interaction with the pre-existing in regard to the nature of the ground, vegetation, winds, sunshine and micro / mesoclimatic conditions of the contexts. Through the architectural and urban project tool expressed through manual and digital graphic methods and the construction of models, students will acquire the ability to control the process of formal and spatial definition of the transformations determined by the architectural project in relation to its own parts and with the context in which it is inserted. Students will apply the understanding of physical, social and cultural contexts derived from the reading and critical interpretation of reality in a broad and mediated sense to the architectural and urban project, also in relation to artistic productions and cultural productions such as cinema.</p> <p>-Judgement Autonomy Ability to establish operate and explain the issues regarding their own design process, understood as a transformative process of the existing context. Ability to observe and interpret the topics expressed by emblematic examples of architecture and to grasp analogies and insights to build up its own system of references. Ability to identify and interpret the architectural issues expressed by the project theme, and to comprehend the influence of ecological, cultural and social issues outlines. Ability to exercise their independent judgment with respect to that proposed by the teacher.</p> <p>-Communication Abilities Ability in expressing their ideas, problems and solutions conclusion , verbally and graphically. Communicate clearly and unambiguously the objectives reached or to reach, to both their peers and the larger scholars community, persisting the disciplinary specificity.</p> <p>-Learning Ability: In reference to the content and methods of the course, students will be able to transfer them quickly in paths of verification and communication of the developed themes, such as intermediate exercises in the form of extempore. The student must develop a predisposition to listening and openness to solicitations and interactions consistent with the project, even if not strictly disciplinary</p>
ASSESSMENT METHODS	<p>-ASSESSMENT METHODS Final Oral Examination. Evaluation of the exercises, seminars and the project carried out during the workshop, also with reference to ongoing evaluation. The final evaluation will identify skills and knowledge through the presentation of the drawings and models developed during the laboratory. Evaluation of the exercises and the project developed during the workshop.</p> <p>-ASSESSMENT CRITERIA The candidate must demonstrate knowledge and skills acquired during the workshop, through the presentation of the project and the practicals developed all along the studio, as to be able to express his abilities by related drawings, models and other graphic descriptions as indicated by the teacher. The candidate must also be able to answer orally at least four oral questions, on all of the topics described in the list below as studied in the suggested readings</p>

	<p>list provided below. There will be at least one question for each suggested book. In the answers, the candidate must also refer to the topics discussed during the lessons and the project developed during the lab.</p> <p>The final evaluation aims at appraising whether the student possesses a good knowledge and comprehension of the topics, and whether he has acquired the ability to interpret and the autonomously judge actual cases, whether he has developed the skills necessary for the development, control and representation of an urban project located in a real context and understood in its architectural and urban values, as well as the knowledge of the theoretical questions that support it.</p> <p>The pass mark will be reached by a student demonstrating sufficient ability in solving concrete cases related to urban design problems, and showing a sufficient knowledge and understanding of the topics and the skills related to the studio, at least in general terms. (basic skills in describing architectural and urban facts through at least the traditional drawing techniques; To trace the history of the recent transformations of the project area, to evaluate its urban role in the wider context in which it is inserted; To identify simple transformation objectives and architectural devices to achieve them, etc.)</p> <p>The student will also demonstrate communication and argumentative ability as to allow the transmission of his knowledge to the examiner. Below this threshold, the examination will be insufficient.</p> <p>On the contrary, the more the student will be able to interact with the examiner and discuss the topics, and the more he will prove to have acquired the basics of Urban design, the higher will the evaluation grade be.</p> <p>The assessment is carried out of thirty.</p> <p>-excellent (30 - 30 cum laude): Excellent ability to apply autonomously knowledge and skills to solve concrete and theoretical design problems; excellent ability in graphical description of architectural and urban issues related to the project area and the project solutions adopted, according to the methodology of the studio. Excellent knowledge of the theoretical subjects related to the studio; excellent property of language, excellent analytical skills</p> <p>-very good (26 - 29): Relevant ability to apply knowledge and skills to solve concrete and theoretical design problems, relevant knowledge of the theoretical subjects related to the studio; full property of language</p> <p>-good (24 - 25): Medium ability to independently apply knowledge and skills to solve concrete design problems, good knowledge of the main topics; good properties of language</p> <p>-average (21 - 23): Limited ability to independently apply knowledge and skills to solve concrete design problems, not full mastery of the main arguments, acceptable property of language</p> <p>-Pass (18 - 20): Minimum ability to independently apply knowledge and skill to solve design problems, poor command of the main topics and the technical language, minimal property of language</p> <p>- Fail : The student has not acquired the knowledge and skills transmitted from teaching, has not developed sufficient capacity to independently apply these skills to solve problems of the proposed project, It does not have an acceptable knowledge of the contents of the topics covered in the teaching.</p>
EDUCATIONAL OBJECTIVES	<p>The main goal of the laboratory is to establish the conditions so that, at the end of the 4th year of the course, the student is able to perform:</p> <ul style="list-style-type: none"> - the definition of a complex architectural and urban project, developing it at different scales of representation, from the general ones to the detailed ones, controlling the formal definition process in relation to the insertion in the place, the techniques and materials adopted and the program functional; - the design of one or more service structures and their pertinent context, higher-ranking equipment intended for users located in even a wide territorial range, controlling - at different scales of representation - the transformation made in relation to the surroundings; the space of relationship between the designed buildings and their surroundings, understood as a complex of built and natural elements.
TEACHING METHODS	Lectures, Practicals, Seminars, Site Visit.
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SYLLABUS

Hrs	Frontal teaching
2	Introduction to the studio Presentation of the didactic goals, of the main issues, of the location, of the didactic methodology, of the evaluation methods and criteria
2	The Architectural forms in the ecological transition
2	Architecture, the global warming and the city

SYLLABUS

Hrs	Frontal teaching
2	The Architectural substances in the era of ecological transition: air, water, earth and fire.
2	Architectural space and its language: Observing, describing: re-drawing, interpretation and criticism
2	Understanding and representing the project site
2	Setting the project: Type and principles.
Hrs	Practice
8	Extempore
Hrs	Workshops
8	Preliminary practices to the architectural design of a complex urban system
95	Project of a complex built system in an urban center. Drawings, model, final written report (semi-intensive teaching method)
Hrs	Others
15	Seminars, guided tours, site visits