

## ANNEX 2.1

### DEGREE PROGRAM DIDACTIC REGULATIONS

#### ARCHITECTURE FOR COMMUNITIES, TERRITORIES AND ENVIRONMENT

#### CLASS LM-4

**School:** Polyteching and Basic Sciences

**Department:** Architecture

**Didactic Regulations in force since the academic year 2025-2026**

<b>Course:</b> Structural Design		<b>Teaching Language:</b> Italian	
<b>SSD (Subject Areas):</b> ICAR 09 (CEAR 09/B)		<b>CREDITS:</b> 6	
<b>Course year:</b> 2		<b>Type of Educational Activity:</b> B	
<b>Teaching Methods:</b> in-person			
<b>Contents extracted from the SSD declaratory consistent with the training objectives of the course:</b> The scientific-disciplinary contents consist of theories and techniques aimed both at the structural conception and sizing of new buildings, and at the verification and structural rehabilitation of existing ones; they understand the problems of actions on buildings and the consequent behaviours according to the types and morphologies, materials and technologies, interaction with the ground and the environment, methods and strategies of use and control; the assessments of vulnerability, reliability, comfort, safety and durability; the methods and tools for structural design and construction of structures; experimentation, testing, monitoring of constructions.			
<b>Objectives:</b> The student matures knowledge and competence in the implementation process of the project through the learning of the structural principles indispensable for the final configuration of the architecture.			
<b>Propaedeuticities:</b> No preparatory teaching is provided. <b>Is a propaedeuticity for:</b> There are no prerequisites for exit.			
<b>Types of examinations and other tests:</b> The exam is written and oral.			

<b>Course:</b> Architecture and circular and inclusive city design studio		<b>Teaching Language:</b> Italian	
<b>SSD (Subject Areas):</b> ICAR 14 (CEAR 09/A) ICAR 22 (CEAR 03/C)		<b>CREDITS:</b> 8 4	
<b>Course year:</b> 2		<b>Type of Educational Activity:</b> ICAR 14 (CEAR 09/A) B ICAR 22 (CEAR 03/C) B	
<b>Teaching Methods:</b> in-person			
<b>Contents extracted from the SSD declaratory consistent with the training objectives of the course:</b>			

<p><b>ICAR 14</b></p> <p>The contents refer to the architectural and urban project in its transscalar dimension, as a process of interpretative and thematic synthesis of contexts through the elaboration of transformative proposals over time. The contents are divided into methodological, analytical-instrumental, compositional and design aspects, aimed at coherently exploring (experimenting) tools and techniques, in the different phases of interpretation, theoretical and propositional in-depth analysis, for the development of proposals attentive to the eco-social dimension of the contexts in a perspective of transition towards fairer, circular and inclusive cities.</p> <p><b>ICAR 22</b></p> <p>The contents refer to circular economy issues and specifically methodological to the analysis of the feasibility of transformative proposals and the evaluation of their effects through quantitative-qualitative approaches.</p>
<p><b>Objectives:</b> The main objective of the course is to guide students to the structuring of a circular process that supports and stimulates the ability to reason during the process of elaboration of the project, from the interpretative phases of the contexts to the design elaborations, with reference to the different scales that it implies and the different paradigms, spatial and temporal, with which it must measure.</p> <p>The aim of the course is to guide students in the shared definition of a dynamic and adaptive process, which supports, motivates and evaluates interpretative and design choices, integrating the methodological approaches and operational tools of architectural and urban design, appraisal and evaluation.</p>
<p><b>Propaedeuticities:</b></p> <p>No preparatory teaching is provided.</p> <p><b>Is a propaedeuticity for:</b></p> <p>There are no prerequisites for exit.</p>
<p><b>Types of examinations and other tests:</b> Evaluation of the papers carried out during the exercises, exhibition and final discussion of the papers.</p>

<b>Course:</b> Contemporary territories design studio	<b>Teaching Language:</b> Italian
<b>SSD (Subject Areas):</b> ICAR 21 (CEAR 12/B) IUS 10 (GIUR 06/A)	<b>CREDITS:</b> 6 4
<b>Course year:</b> 2	<b>Type of Educational Activity:</b> ICAR 21 (CEAR 12/B) B IUS 10 (GIUR 06/A) B
<b>Teaching Methods:</b> in-person	
<p><b>Contents extracted from the SSD declaratory consistent with the training objectives of the course:</b></p> <p><b>ICAR 21</b></p> <p>The scientific-disciplinary contents consist of the theoretical and practical elaborations necessary to carry out didactic-training activities aimed at the knowledge, planning and design of the city, the territory and the landscape. In particular, they concern: [...] the definition of integrated and interscalar strategies for territorial redevelopment, regeneration and rebalancing, with a view to enhancing the historical and cultural heritage, ecological quality, equity and social inclusion,</p>	

environmental, social and economic sustainability in the design of contemporary territories and habitats.

**IUS 10**

The sector includes studies relating to the organization of public administration and the regulation of public administrative activity, with reference, in particular, to the procedure, to the acts. The studies also relate to urban planning law, as well as to the public profiles of environmental law.

**Objectives:** In this design studio consisting of the teachings "Regeneration and collaborative governance for urban planning" ICAR21 and "Urban and environmental law" IUS10, the emerging issues in the contemporary city and territory will be hosted and students will be able to experiment, developing interpretative, strategic and governance skills, the new themes of urban planning focused on: (1) proactive adaptation to the multiplicity of risks, (2) the centrality of waste places in regeneration processes, (3) the qualification of marginal areas; (4) the regeneration of large public residential settlements; (5) the rethinking of accessibility in a sustainable way; (6) the role of green and blue infrastructure for a resilient city. Through these experiments, students will have to learn how to develop participatory processes of multi-actor governance, together with project management models within new collaborative forms.

**Propaedeuticities:**

No preparatory teaching is provided.

**Is a propaedeuticity for:**

There are no prerequisites for exit.

**Types of examinations and other tests:** Evaluation of the papers carried out during the exercises, exhibition and final discussion of the papers.

<b>Course:</b> Project Implementation thematic design studio - Implementation processes for fragile heritage design		<b>Teaching Language:</b> Italian	
<b>SSD (Subject Areas):</b> ICAR 14 (CEAR 09/A) ICAR 19 (CEAR 11/B) ICAR 09 (CEAR 07/A)		<b>CREDITS:</b> 6 6 6	
<b>Course year:</b> 2	<b>Type of Educational Activity:</b> ICAR 14 (CEAR 09/A) /C ICAR 19 (CEAR 11/B) /B ICAR 09 (CEAR 07/A) /C		
<b>Teaching Methods:</b> in-person			
<b>Contents extracted from the SSD declaratory consistent with the training objectives of the course:</b>			
<b>ICAR14</b> The scientific-disciplinary contents refer to the architectural project, in its extension from the detail to the urban dimension, as a process and moment of synthesis. They are divided into methodological aspects, concerning the theories of contemporary design; for the solution of specific issues relating to interventions from scratch or on the built environment.			
<b>ICAR19</b> The scientific-disciplinary contents include the theoretical foundations of the protection of the cultural values of the built environment, also seen in their temporal evolution; the methods and			

processes for the conservation intervention on the scale of the building, monument, archaeological remain, park or historic garden, historic center, territory and for the rehabilitation, technological requalification, consolidation, renovation of historic buildings.

**ICAR09**

The problems of actions on buildings and the consequent behaviors are addressed; the assessments of vulnerability, reliability, comfort, safety and durability; methods and tools for structural design and construction of structures. This includes historical investigations on construction, as well as safety checks and structural intervention solutions applicable to historic buildings and monuments.

**Objectives:** The Thematic Design Studio for the implementation of the project is the last test before the final one and represents an important moment in which on a specific topic the student synthesizes three disciplines, represents an opportunity to experiment with the skills acquired and in some cases can start the thesis work.

In this Laboratory we work on heritage, on the need to recognize and preserve places and architecture and also in some cases to intervene promptly in critical situations, the student experiences the project as a strategic implementation action, in relation to the complexity of the contexts, their history, their contemporary condition.

**Propaedeuticities:**

No preparatory teaching is provided.

**Is a propaedeuticity for:**

There are no prerequisites for exit.

**Types of examinations and other tests:** Evaluation of the papers carried out during the exercises, exhibition and final discussion of the papers.

<b>Course:</b> Project Implementation thematic design studio - Implementation processes for the circularity of the architectural project		<b>Teaching Language:</b> Italian	
<b>SSD (Subject Areas):</b> ICAR 14 (CEAR 09/A) ICAR 19 (CEAR 11/B) ICAR 09 (CEAR 07/A)		<b>CREDITS:</b> 6 6 6	
<b>Course year:</b> 2	<b>Type of Educational Activity:</b> ICAR 14 (CEAR 09/A) / C ICAR 12 (CEAR 98/C) / B ICAR 22 (CEAR 03/C) / C		
<b>Teaching Methods:</b> in-person			
<b>Contents extracted from the SSD declaratory consistent with the training objectives of the course:</b> <b>ICAR 14</b> The scientific-disciplinary contents refer to the architectural project, in its extension from the detail to the urban dimension, as a process and moment of synthesis. They are divided into methodological, analytical-instrumental aspects, for the study of the typological, morphological, linguistic characters of architecture and the city; compositional, concerning the aggregative and formal logic with which the organism defines itself in its elements and parts and relates to its context; for the solution of specific issues relating to interventions from scratch or on the built environment.			

<p><b>ICAR 12</b></p> <p>The course provides the essential elements for the control of the executive aspects of the architectural project of public works, as governed by the current legislative system. Particular attention is paid to the circularity of processes and the life cycle of the architectural work, as the ability to investigate with a "bio-eco-sustainable approach", all the phases related to the design, construction, management and decommissioning of low-impact buildings, in order to evaluate ex-ante and ex-post, the environmental, economic and social implications of the technical and technological choices made in the design phase.</p> <p><b>ICAR 22</b></p> <p>The contents refer to circular economy issues and specifically methodological to the analysis of the feasibility of transformative proposals and the evaluation of their effects through quantitative-qualitative approaches.</p>
<p><b>Objectives:</b> The Thematic Design Studio for the implementation of the project is the last test before the final one and represents an important moment in which on a specific topic the student synthesizes three disciplines, represents an opportunity to experiment with the skills acquired and in some cases can start the thesis work.</p> <p>The Laboratory works on the implementation of the architectural project, even in difficult contextual, physical-constructive and social conditions, to guide students in the shared definition of a dynamic and adaptive process, which supports, motivates and evaluates interpretative and design choices, integrating methodological approaches and operational tools. The Laboratory intends to simulate a concrete experience of architectural design aimed at developing a theme that allows the application of the Minimum Environmental Criteria (CAM) where possible.</p>
<p><b>Propaedeuticity:</b></p> <p>No preparatory teaching is provided.</p> <p><b>Is a propaedeuticity for:</b></p> <p>There are no prerequisites for exit.</p>
<p><b>Types of examinations and other tests:</b> Evaluation of the papers carried out during the exercises, exhibition and final discussion of the papers.</p>

<p><b>Course:</b> Project Implementation thematic design studio - Implementation processes for the ecosystemic project</p>	<p><b>Teaching Language:</b> Italian</p>
<p><b>SSD (Subject Areas):</b>  <b>ICAR 14 (CEAR 09/A)</b>  <b>ICAR 12 (CEAR 98/C)</b>  <b>ICAR 22 (CEAR 03/C)</b></p>	<p><b>CREDITS:</b>  <b>6</b>  <b>6</b>  <b>6</b></p>
<p><b>Course year: 2</b></p>	<p><b>Type of Educational Activity:</b>  ICAR 14 (CEAR 09/A) / C  ICAR 12 (CEAR 08/C) / B  ICAR 21 (CEAR 12/B) / C</p>
<p><b>Teaching Methods: in-person</b></p>	
<p><b>Contents extracted from the SSD declaratory consistent with the training objectives of the course:</b>  <b>ICAR 14</b></p>	

The scientific-disciplinary contents refer to the architectural project, in its extension from the detail to the urban dimension, as a process and moment of synthesis. They are divided into methodological aspects, concerning the theories of contemporary design; for the solution of specific issues relating to interventions from scratch or on the built environment.

**ICAR 12**

The workshop aims to promote a methodological and processual approach to the architectural project, declined according to needs, through the implementation of proposals that are biocompatible (health and well-being of users) and eco-sustainable (defense against pollution and environmental degradation), both in terms of the use of materials (local and highly natural) and for the strategies and technologies of intervention (bioregionalist, bioclimatic, zero-KM, etc.), in short, with particular attention to the circularity of processes.

**ICAR 21**

The scientific-disciplinary contents concern in particular the definition of integrated and interscalar strategies of territorial requalification, regeneration and rebalancing, in a perspective of enhancement of the historical and cultural heritage, ecological quality, equity and social inclusion, environmental, social and economic sustainability in the design of contemporary territories and habitats.

**Objectives:** The Thematic Design Studio for the implementation of the project is the last test before the final one and represents an important moment in which on a specific topic the student synthesizes three disciplines, represents an opportunity to experiment with the skills acquired and in some cases can start the thesis work.

The Laboratory develops the themes and application methodologies for the drafting of a project with a strong environmental value which, with a multi-scalar approach, starts from the climatic and environmental analysis of the area, to reach the executive phase, connected to the material and construction choices, including detail.

**Propaedeuticities:**

No preparatory teaching is provided.

**Is a propaedeuticity for:**

There are no prerequisites for exit.

**Types of examinations and other tests:** Evaluation of the papers carried out during the exercises, exhibition and final discussion of the papers.