

Annex 1 (integral part of the call for admission to the PhD programme Architecture and Arts - luav School of doctorate studies a.y.2023/2024)

PhD programme Architecture and Arts

Duration	3 years
Coordinator	Maria Chiara Tosi
Research fields and objectives	<p>The PhD course Architecture and Arts aims to provide the theoretical and practical preparation necessary to operate in the fields of Architecture, Town and Country Planning, Spatial Planning/Policies, Design and the Arts, linking together contiguous approaches such as those concerning design and analysis techniques on different scales, history, spatial policies, building and environmental restoration, technologies, artistic techniques and representation, in order to address as incisively as possible the set of issues related to the transformation of human space in its different forms. The prevailing belonging to a single macro-area of the disciplinary sectors involved and the experience consolidated over more than thirty years of research activity make the luav PhD course an attractive and stimulating place where the thematic insights developed in the various research areas, together with the exchange and collaboration between fields of knowledge, foster the acquisition of autonomy and responsibility, as well as strengthening the system of transnational and international relations with research institutions, public administration and the production system. The presence of specific and consolidated preparation and the possibility of interdisciplinary, multidisciplinary and transdisciplinary exchanges and approaches on common ground, which also involve research carried out in other luav areas, makes the preparation provided particularly suitable for tackling frontier themes and issues that will increasingly concern the structure and form of living spaces and require in-depth theoretical and practical investigation.</p> <p>In particular, the training objectives concern scientific research in the following areas:</p> <p><u>Visual arts, performing arts and fashion studies</u></p> <p>The PhD area in visual arts, performing arts and fashion studies intends to build the basis for a shared reflection between theoretical, creative and applied research. The training programme aims to provide knowledge of transdisciplinary methodologies and paradigms that interrogate the respective research objects in a broadened cultural field. The doctoral programme aims at training researchers or practitioners who will be able to work, in addition to the academic field, in the area of cultural production, curatorship, artistic practices, production, communication and market systems related to the arts. The horizons involved include scientific research in the field of visual arts and visual and media cultures, in perspectives that do not exhaust the image in its historical, iconographic or philological framework; the aesthetics and politics of performance, in a field of studies that responds to questions posed at the intersection of the systems of the arts, contemporary theatre and the knowledge of the body; research dedicated to fashion, understood as an industry and as a cultural medium with an intrinsically multidisciplinary nature, in its relations with the modern, the contemporary and the construction of imaginaries. Within the framework of a PhD School that focuses on the cultural potential and cognitive production of the project, the theoretical horizon is to be understood as the exploration of devices, articulations and knowledge immanent to the objects of the cultures and artistic creations of reference.</p> <p><u>Architectural composition</u></p> <p>Architectural composition is understood as a specific discipline distinct, in terms of type of study and research method, from any other form of design, as well as from the history of architecture and the city. The Architectural Composition curriculum aims to provide students with the theoretical and operational preparation related to theories and procedures of composition, understood as the ultimate and synthetic moment in the relations between figure, form and construction of architecture and the city. Studies privilege the analysis of the criteria and procedures underlying form and the study of the figurative variations that determine the character of architecture. The intention is to direct the activities of doctoral students towards research that highlights aspects of common interest and makes the developments and outcomes of the work more comparable, particularly on the theme of the problematic relationships and contradictions between 'tradition' and 'invention', between 'continuity' and 'experimentation' in the modern and contemporary condition of cultural contexts.</p> <p>In recent years, the question of 'reconstruction', as a mental place where memory, history and the future intertwine, has been considered a privileged area of research activity.</p> <p><u>Innovation for building and cultural heritage</u></p> <p>Scientific research in this area aims to provide doctoral students with specific skills in the field of the structural design of new and existing buildings, with particular reference to those of historical interest. The main aspects that will be investigated are: modelling at the level of materials, portions of the structure, macro elements and the structure as a whole, experimentation, seismic improvement, the use</p>

of state-of-the-art structural materials but also the use of traditional techniques. In addition, the themes of safety assessment and risk reduction from natural events, of existing and new buildings will be addressed on the basis of a unified vision of the problems of defining hazards, of assessing the behaviour of existing buildings in order to reduce the invasiveness of interventions and of choosing the structural layout of new buildings guided by the prevention of the effects of such events. The themes of safety and risk reduction relating to natural events are addressed by also extending the afore-mentioned investigation methodologies to the themes of building envelopes, embracing aspects of durability and resilience.

Regional planning and public policies

Scientific research in this field promotes a solid mastery of the theoretical-methodological apparatuses and the original development of the 'policy approach' applied to the various devices of urban and territorial action (plans, programmes, projects, generally less integrated actions). This approach, which is characterised by attention to the processes (political, administrative, technical, social) of defining the problems that the policies propose to deal with, of (re)defining the "public interest" character of the issues dealt with, of the interaction between the different actors that are mobilised and/or involved in the construction and implementation of the policies, and of the intentional and unintentional outcomes of the different policies activated, is in particular explored in relation to:

- the theory and practice of the design, implementation and evaluation of public policies and plans, on various scales and in relation to different thematic areas (from different urban policies to territorial heritage and landscape, from local development to the management of change processes on a global scale;
- citizen participation in policy-making and the handling of conflicts;
- land-use practices, the production of common goods and their regulation.

The transversality required by these fields of action with respect to traditional subject areas is supported by an orientation towards interdisciplinary research practices.

Technological, environmental and building physics design

Doctoral research in the field of Technological, Environmental and Building Physics Design concerns the multiple aspects of Architectural Technology and Building Physics in relation to architectural design on different scales and the transformation, restoration and management of the natural and built environment. Possible study paths cover the fields of building materials and systems, techniques and technologies for analysis, environmental control and efficient or renewable energy production, as well as sustainability understood as the preservation of ecological, social and cultural aspects. These fields of investigation are oriented towards the environmental design and sustainable design of buildings, the energy efficiency of buildings and urban contexts, the protection of the natural and built environment, the circular economy in architecture, inclusivity on an architectural and urban scale, citizen science.

In dealing with these topics, the doctoral student acquires skills both in the use of tools for numerical simulation, three-dimensional modelling oriented to the management of construction and maintenance processes, indoor and outdoor environmental measurements and the development of machine learning algorithms, and in the application of Life Cycle Assessment methods, sustainability assessment tools in architecture and sustainable design techniques.

The acquisition of skills and knowledge takes place by taking part in research activities through which the doctoral student develops analytical skills aimed at critically identifying interdisciplinary correlations in the processes of transformation and maintaining of the natural and built environment. These skills and knowledge contribute to the definition of a high-level professional profile suitable for employment both in academic contexts and within public and private structures, including professional fields or public administration, industry and the advanced tertiary sector in which innovation and research processes take on strategic importance.

Design sciences

Research in the design sciences deals with the discipline's theoretical, historical and methodological issues in its many facets, also addressed through design and experimental research. Starting from the founding references of the design sciences, and from a stabilised system of knowledge and know-how, research in this field confronts the adaptive, plural, and extensive aspects of design, modelling tools and methods, evolving in interdisciplinary dialogue, aspiring to trigger positive change at a social level. It addresses a plurality of activities that cut across material and immaterial culture, hybridising design with engineering, biotechnology, philosophy, the arts, natural, social, ecological and economic sciences and developing, by making use of the possibilities offered by data systems, the ability to analyse them, managing them and making them interactively usable through information management.

The research field in Design Sciences aims to enable doctoral students to acquire personal autonomy in research and the mastery of a system of knowledge and critical tools to understand the contexts and issues in which research activities are embedded. It aims to train researchers so that they are able to deal with their own research topics concerning issues of the public good. The proposed activities and methods aim to develop useful and appropriate skills to work in collaborative contexts and interact with institutions, the cultural system of design and the business system. The work path, which must include the roots and cultural references of the context in which it is set, Italy and Venice in particular, aims to combine specific research situations with the most innovative directions of design about the environment, culture, and society.

	<p><u>History of architecture</u></p> <p>Scientific research in this field aims to train highly specialised historians of architecture and the city, providing the skills to tackle with awareness and rigour every problem relating to the discipline in its broadest sense. The programme of activities is intended, in particular, to familiarise students with the approaches and methods of the discipline in its long historical course, as well as to foster a flexible attitude in studying and an up-to-date exchange with the international scientific community. Attention is paid to the technical aspects of research, such as the knowledge and use of archives and libraries, the reading of manuscripts and printed sources and architectural drawings, and the direct analysis of artefacts; to the acquisition of the most modern techniques of philological research; to the diversity of approaches also of parallel disciplines such as, for example, the history of art, the history of techniques, and the history of ideas; to the knowledge and frequentation of the main Italian or foreign centres for the study of the history of architecture; to the direct experience of research through the preparation of the thesis; and, finally, to the manner in which the results are presented in verbal communications, in written works, in images.</p> <p><u>Urbanism</u></p> <p>Scientific research in this field intends to build the background of research and theoretical reflection relevant to analytical and design practices that refer to Urbanism, combining research activity with design activity that is an inescapable part of cognitive strategies.</p> <p>The training objective is also to reflect on the theoretical background of techniques for the analysis and processing of spatial information and on their field of applicability. The object of study and research is and remains, in general, the "urban planning project", a term that refers to a field that is broader than the "urban plan" and such to include both what is normally indicated with the terms "urban and territorial policies" and what is indicated with the terms "urban project". That is, the urban planning project is understood as the set of activities through which a specific scientific-professional group has aimed and tends to redefine the environmental conditions, including the urban and territorial ones, within which the process of social reproduction takes place.</p> <p><u>Villard de Honnecourt International track</u></p> <p>The course, activated in agreement with Ecole Nationale Supérieure d'Architecture de Paris-Belleville (France), Technische Universiteit Delft (the Netherlands), and Universidad de Madrid (Spain), deals specifically with a theme that can be summarised as 'Post-Urban'. In particular, it concerns the reading of phenomena relating to architecture and the city in the temporal context in which we live. The programme chooses to observe these issues about the contemporary, theoretical and cultural debate, to the difficult evolution of the figure of the architect and to the elements of the geopolitical and ecological framework that strongly influence the theory and practice of architecture. The doctoral students' research will involve analysing this intellectual landscape by exploring its origins, derivations and intersections with multidisciplinary aspects, starting from the assumption that architecture, despite its disciplinary autonomy, is a medium capable of defining new relationships. The programme to be specified by the inter-university scientific committee as per Article 4 below will include the research themes to be addressed, the training and research activities envisaged and the venues for the PhD seminars.</p>	
Available places	Scholarships	no. 22
	Places without scholarship	no. 4
	Places reserved for scholars from foreign countries or scholars from international mobility programmes	no. 3
Requirements	<ul style="list-style-type: none"> - Degree obtained according to the old regulations; specialised/master's degree; second level AFAM degrees; degree obtained at foreign universities deemed suitable by the selection board. Please refer to Article 2 of the call for applications. - Certification of knowledge of a foreign language at a minimum level of B2. Please refer to Article 6 of the call. 	
Application Deadline	<u>Thursday 4 May 2023, 1.00 p.m.</u>	
Documentation to be uploaded via online procedure	<p><u>Compulsory documents under PENALTY OF EXCLUSION</u></p> <ul style="list-style-type: none"> a) duly completed and signed application form (Annex 2); b) double-sided photocopy of a valid identity or identification document; c) certification/attestation of knowledge of a foreign language at a minimum level of B2 <u>or a</u> substitute declaration (annex 3; please note that any false or misleading declarations made with the substitute declaration of certification are subject to the penal sanctions provided for in art. 76 of Italian Presidential Decree no.445 of 28 December 2000. It is therefore advisable to complete the form with the utmost care. The form cannot be replaced once the deadline for submitting the application has expired); d) CV in A4 format including a list of any scientific publications; e) text on a hypothetical research topic (not binding in the case of admission to the course) using the model proposed in Appendix 4; 	

- f) self-presentation video in mp4 format lasting no longer than three minutes where candidates describe their research interests and the reasons why they apply for the Architecture and Arts programme;
- g) (only for undergraduates who will obtain their degree at an Italian university by the deadline for enrolment in the course referred to in Article 8 of the call) self-certification of the examinations taken including date and grade obtained;
- h) (only for candidates with a degree obtained abroad) degree diploma in the original language and its translation into Italian or English by the candidate;
- i) (only for candidates with a degree obtained abroad or who will obtain it by the deadline for enrolment in the course referred to in Article 8 of the competition call) certificate of examinations taken in the original language and relative translation into Italian or English by the candidate;

Compulsory documents FOR POSITIONS RESERVED FOR FOREIGN SCHOLARSHIPS HOLDERS OR BENEFICIARIES OF INTERNATIONAL MOBILITY PROGRAMMES

- a) duly completed and signed application form (Annex 2);
- b) double-sided photocopy of a valid identity or identification document;
- c) CV in A4 format including a list of any scientific publications;
- d) text on a hypothetical research topic (not binding in the case of admission to the course) using the model proposed in Appendix 4;
- e) self-presentation video in mp4 format lasting no longer than three minutes where candidates describe their research interests and the reasons why they apply for the Architecture and Arts programme;
- f) (only for undergraduates who will obtain their degree at an Italian university by the deadline for enrolment in the course referred to in Article 8 of the competition call) self-certification of the examinations taken including date and grade obtained;
- g) (only for candidates with a degree obtained abroad) degree diploma in the original language and its translation into Italian or English by the candidate;
- h) (only for candidates with a degree obtained abroad or who will obtain it by the deadline for enrolment in the course referred to in Article 8 of the competition call) certificate of examinations taken in the original language and relative translation into Italian or English by the candidate;
- i) a document drawn up in accordance with the facsimile in Annex 5 attesting to the possession of a study grant awarded by specific international mobility programmes, public institutions or private entities in the country of origin or other foreign country.

Optional, but highly recommended documents (FOR ALL CANDIDATES)

- a) dissertation with abstract of max. 1,000 characters (including spaces);
- b) portfolio (max. 12 pages/folders);
- c) letter(s) of presentation drafted by university professors, scholars or renowned professionals (max. 2);
- d) any scientific publications (max. 5);
- e) any documentation deemed useful for assessing the eligibility of the qualification obtained abroad (e.g. course programmes, diploma supplement, certificates from ENIC-NARIC centres).

Admission	Evaluation of qualifications, interview
Evaluation Criteria	<p>Evaluation of qualifications: max. 40 points Evaluation indicators: - relevance of the candidates' qualifications to the profiles characterising doctoral research as described in this annex: max. 10 points; - relevance of the candidates' previous work and/or research experience to the profiles characterising doctoral research as described in this annex: max. 10 points; - relevance of the proposed research topic to the profiles characterising doctoral research as described in this annex: max. 20 points. Candidates with a score of 22/40 are admitted to the interview.</p> <p>Interview: max. 60 points Evaluation indicators: - demonstration of scientific preparation in the disciplines of the course, in particular in the topic indicated by the committee pursuant to Article 4 paragraph 1 point e) of the call: max. 30 points - promptness and dialectical and critical ability in answering questions: max. 30 points. Applicants with a final overall score of 60/100 are eligible for admission to the course.</p>