PhD Programme Table - 38th cycle
NRRP "National Recovery and Resilience Plan" Call for Applications

Section "Available Positions and Scholarships" integrated on 22/07/2022

PROGRAMME'S NAME	ARCHITECTURE AND DESIGN CULTURE
DURATION	3 years
PROGRAMME START DATE	01/11/2022 (DD/MM/YYYY)
LANGUAGES	Italian, English
COORDINATOR	Prof. Annalisa Trentin (annalisa.trentin@unibo.it)
RESEARCH TOPICS	Detailed list at the bottom of the present document
PhD POSITIONS	6
ADMISSION PROCEDURE	Qualifications and research proposal evaluation Oral examination

Available Positions and Scholarships

Pos. n.	Financial Support	Description	Positions linked to research topics
1	*PhD Scholarship Ex M.D. 351/2022 Cultural Heritage*	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 1, Investment 4.1 (MD 351/2022) – Cultural Heritage	Adaptive and sustainable reuse strategies and collaborative cultural regeneration of historic villages with the integration of innovative digital tools for the Public Administration
2	*Executive PhD*	Position reserved for employees of ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development	Sustainable finance and urban regeneration: environmental and financial impacts of climate change
3	*Executive PhD*	Position reserved for employees of Wonderful Education Srl	Service Design for Innovative Educational Formats
4	*PhD Scholarship Ex M.D. 352/2022*	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3 (MD 352/2022) and by Cineca Consorzio Interuniversitario	City Information Modelling as a support tool for a sustainable management of the built heritage of a public stakeholder
5	*PhD Scholarship Ex M.D. 352/2022*	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3 (MD 352/2022) and by AMMAGAMMA S.r.l.	Development of theoretical and practical models for the design of the user experience and interfaces of products and services based on artificial intelligence

6	*PhD Scholarship Ex M.D. 352/2022*	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3 (MD 352/2022) and by SACMI IMOLA	Development of theoretical and applied models in mixed reality contexts for the design of services for virtual training and learning dedicated to the technical documentation of industrial products

<u>Applicants awarded with Ex M.D. 351/2022 or Ex M.D. 352/2022 PhD scholarships shall have specific obligations (i.e. mandatory research periods abroad and/or in a firm) during their PhD programme.</u> For detailed information, refer to the Call for Applications, articles 1.2 and 1.3, and to the text of the law.
For any other eventual PhD positions, a 3-month research period abroad is mandatory.

Admission Exams

The admission exams detailed schedule shall be published **starting from July 12th, 2022:**

- on the [University website](), selecting the relevant PhD Programme > "More information", at the bottom of the page in the section "Notices";
- on [Studenti Online]() (select "summary of the requests in progress" > "see detail" and open the .pdf file at the bottom of the page). **No personal written communication will be sent to applicants**.

Required and Supporting Documents to be attached to the application

All the documents listed below **shall be drawn up in English or in Italian**. In case of documents originally issued in any other language (e.g. identity document, qualifications), an official translation is required.
Only qualifications obtained **during the last 5 calendar years** shall be taken into consideration, except for the University Degree. The Admission Board will assess the relevance of the supporting documents to the PhD Programme.

REQUIRED DOCUMENTS	
Identity document	Valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae	No specific CV format is required
Degrees	Documents attesting the awarding of the first and second cycle degrees, the exams taken and the marks obtained (see Art. 3 of the Call for Applications)
Research proposal	Multi-annual research proposal, with special emphasis on the **activities to be completed during the first-year course**. The proposal must meet the following requirements: - **it cannot exceed 15,000 characters**, including spaces and formula possibly used. This figure does not include: the title of proposal, the outline, references and images (such as graphs, diagrams, tables, etc. - if present); - it must be consistent with the **PhD programme research topics**; - **it must include**: the state of the art; description of the proposal; expected results; articulation of the proposal and implementation times; references.
SUPPORTING DOCUMENTS	
Thesis abstract	Abstract of the **second cycle degree thesis.** Graduands applicants may submit the draft of the thesis. Abstracts cannot exceed 5,000 characters, including spaces and formula possibly used. The above figure does not include: the title of the thesis, the outline, references, and images such as graphs, diagrams, tables etc.
Reference letter/s	**No more than 3 reference letters** signed by Italian and international academics and professionals in the research field, which do not form part of the Admission Board, attesting the suitability of the applicant and his/her interest in the scientific research. Letters shall be uploaded following the procedure on [Studenti Online](), detailed in the Call for Applications (Art. 3.2).

Personal statement	This must include the reasons prompting the applicant to attend the PhD Programme and those **relevant experiences and research interests**, that make the applicant suitable for the specific PhD Programme (3,000 characters maximum, including spaces).
Publications	Lists of publications (i.e. monographs, articles on scientific journals), minor publications (conference papers, etc.), abstracts and posters presented during national and international conferences, etc.
Other documents	- Postgraduate vocational training programmes and/or specialisation programmes relevant to the PhD Programme main research topics - Teaching and tutorship activity carried out at university level - Research activity of any kind - whether basic, applied, translational, etc. - carried out in any capacity, including when covered by research grants, and as a staff member of research projects - Work activities - Documents attesting the knowledge of foreign languages - Study periods completed by applicants outside their countries of origin (e.g. Erasmus programme or other similar mobility programmes) - Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc.)

Evaluation criteria*

Scores will be expressed in points out of 100, as follows.

1. Qualifications and research proposal evaluation

Minimum score for admission to the oral examination: 30 points, Maximum score: 50 points

Qualifications evaluation	Second cycle degree (Master's) final mark. Graduands shall be evaluated according to the Weighted Average Mark (WAM)	10 points max
	Publications and other qualifications attesting the applicant's training and skills	5 points max
Research proposal evaluation	Scientific value, ground-breaking nature and structure of the proposal	20 points max
	Consistency with the PhD programme research topics	10 points max
	Proposal feasibility	5 points max

2. Oral examination

Minimum score for eligibility: 30 points, Maximum score 50 points

Foreign language proficiency	10 points max
Research proposal presentation	25 points max
General knowledge of issues encompassed by the PhD Programme	15 points max

Oral examination aims to assess the suitability of the applicant for scientific research as well as the general knowledge of issues encompassed by the PhD Programme (see the list of research topics at the bottom of the present document). During the oral examination, the applicants's proficiency in one of the following foreign languages shall be assessed: English, Spanish, French, or German.

The oral examination is carried out in Italian or English.

* Possible further evaluation criteria will be available on the University website, selecting the relevant PhD Programme > "More information".

Research Topics

Architecture
- Architectural composition
- Theory of architectural design
- Autonomy of architecture
- Space, form and structure in architecture

Planning and Urban Design
- Sustainability in planning and in urban design
- Relations between planning and environment/landscape protection and promotion
- Urban and rural regeneration: techniques, tools and experimentations
- Theories of planning and urban design

Construction Technologies and Building Performances
- Sustainable building design
- Energy efficient building
- Architectural building renovation
- Project construction management
- Innovation Technologies
- Indoor quality and building performances
- Outdoor quality, climate change adaptation and mitigation strategies
- Acoustics

Advanced Design
- Design driven product and service innovation
- Advanced design cultures: beyond processes and thinking
- Design thinking social innovation
- Industry 4.0
- Cultural and Creative Industries
- Social Innovation
- Visions of the futures in material forms: a dynamic relationship between past, present, and future

Cultural Heritage
- Protection, Restoration and Preservation
- Technologies for conservation
- Digital Heritage
- Design for Cultural Heritage in the digital era
- Humanities and Technology for Cultural Heritage
- Cultural Heritage and sustainability

Architectural Humanities
- History of architecture
- History of design
- Aesthetics of design and architecture
- Aesthetics of everyday life
- Philosophy and architecture
- Architecture and arts
- Architecture and literature, film, tv
- Urban and visual culture

Further information on the main research topics at the PhD programme webpage: Research fields.