



Università degli Studi di Firenze

FACOLTÀ DI ARCHITETTURA

University of Florence - School of Architecture Academic Year 2011-2012 Master's Program in ARCHITECTURAL DESIGN (B076) – English Curriculum D59

The Master program is offered and open to students, coming from inside and outside the European Union, who wish to achieve a Master's in Architecture awarded by the Faculty of Architecture in Florence, Italy.

Learning outcomes of course

The aim of the Master's course in Architecture is the formation of an "Architect" according to the requirements of knowledge and skills as defined by the European Union Directive EC 1985/384 and subsequent 2005/36/EC.

The course lasts two years and meets the requirements set by the EU Bologna Process.

Graduates in this class of degree may, after passing the state exam, enroll in section A - field "architecture" of the Italian Professional Association of Architects, Planners, Landscapers and Conservationists as expressly provided by the DPR No.328 of 5 June, 2001.

Cultural statement

The Master Course in Architecture is based on this main assumptions:

- the design of contemporary architecture, its techniques and its methods related to cultural heritage and landscape of cities and regions;
- the sustainability as a general balancing between whole human needs, spaces, buildings, products and nature;
- a cooperative working involving different people and cultures as an additional quality of cultural programme of the course.

Career opportunities

The main job opportunities provided by the Master's Degree Course are:

- architectural design, urban design and architectural heritage conservation with competence of aesthetic, distribution, functional, structural, technical issues, of construction and economic feasibility, of the built environment and landscape valorisation, of cultural changes and with critical attention to the needs expressed by contemporary society;
- business activity on an individual basis or in combination, related to design and construction of public and private projects;
- project management in public institutions and private organizations relating to construction and property;
- architect in private companies operating in construction, production of building elements and construction techniques.

Learning objectives

The expected results are expressed by the descriptors of the European qualification (DM 16/03/2007, art. 3, paragraph 7) and placed in the Academic Regulations for the degree course visible on the website of CdLM - www.unifi.it/clspra/.



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Graduates in Architectural Design must demonstrate, through examination and verification of income, to have achieved the results of learning expectations, expressed through the system of indicators of the degree adopted within the European Union (Dublin descriptors) and the EUR-ACE accreditation model (DM 16/03/2007, art. 3, paragraph 7). Objectives include:

1 - Knowledge and understanding.

Knowledge and understanding to extend and enhance that which was acquired from the training base of the first cycle and to draw up and implement original ideas, in complex context often associated with one's research. In particular, students will acquire knowledge and understanding relating to:

- Design process, from conception to production and the construction site;
- Design methods for architectural and urban transformation in complex urban systems, both historical and modern;
- Contemporary construction techniques and materials in relation to environmental and economic sustainability;
- Fundamentals of structural design and its application to different kinds of buildings;
- Elements of chemistry and physics applied to building elements;
- Fundamentals of cultural heritage conservation, architectural monument restoration, building rehabilitation and urban regeneration and planning;
- Traditional construction techniques and materials, associated with their contexts;
- Fundamentals of Urban sociology;
- Fundamentals of law relating to urban planning and construction process management;
- Fundamentals of applied economics and project valuation.

2 - Applying knowledge and understanding.

Applying knowledge and understanding in solving problems and new design issues, in wider contexts and with an interdisciplinary approach. In particular, students will acquire the capacity for knowledge and understanding relating to:

- Conception, imagining, specification and communication of architectural projects in different scales, from a whole urban and territorial level to construction detail, satisfying cultural, social, technical and aesthetic requirements;
- Identifying and specifying effective structural solutions;
- Identifying and specifying effective materials and construction techniques;
- Coordinating, integrating and managing all the professional competencies involved in complex design processes;
- Conserving and restoring monumental and vernacular architecture, coordinating the technical and scientific multidisciplinary competencies;

3 - Making judgments.

Ability to integrate knowledge and handle complexity and to make judgments based on incomplete or limited information, including reflections on social and ethical responsibilities linked to the application of one's knowledge and opinions. In particular, students will gain the ability of making judgements in order to:

- Recognize and analyze the relationships between a piece of architecture and its physical and cultural context;
- Change the environment to meet human and social, cultural and economic needs;
- Make feasibility studies involving the economic component of architectural and urban design;
- Identify the administrative path to be taken with regard to the type, size and complexity of a project in a given context;



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- Be aware of ethical, cultural and social responsibilities implied in the professional role of architect.

4 - Communication skills.

Skills that allow students to communicate in a clear and unambiguous way to specialist and non-specialists. In particular, students will acquire skills, supported by tools and methods, which will enable:

- the communication of ideas and projects, both to professionals and to people not experts in the field of architecture, through participation;
- to interact positively in working groups in academic and professional contexts, both national and international;
- to identify, organize, coordinate and lead a multidisciplinary team.

5 - Learning skills.

The development of those learning skills which enable graduates to continue studying on a self-directed or autonomous way. Graduates must have developed the ability to learn, relevant for continuous training, and will be required to:

- Create, promote and achieve progress in the field of theory and practice of architecture;
- Design, develop and implement innovative researches and projects;
- Develop design and research groups, both in national and international professional companies.

Access to the course

Access to the degree course in "Architecture" in Florence, for the years 2010/2011, is not limited. European Union students who hold the title of Bachelor of Architecture complying with the requirements of European Union Directive 2005/36/EC and subsequent EC 1985/384 can access the Master's Course.

The course is open to students from countries outside the European Union, who hold the degree or diploma of at least a three-year course of Architecture at University, or other qualification recognized as equivalent.

The admission depends, however, on the student's knowledge of English at B2 writing certificate level or equivalent.

For those coming from Italian, European and non-European universities an assessment of past career is needed. To this end, the Faculty Committee will assess the portfolio attached to the application; the contents and evaluation criteria are listed below.

Personal preparation

Portfolio of products, including text and pictorial material, involving significant experiences of one's university career, certificates of workshop experience, participation in design competitions for students and research activities. In the case of collective works the contribution by the candidate should be pointed out.

When deemed useful for the evaluation, the Faculty Committee reserves the right to ask candidates for further illustrations, including through interview.

When assessing the conditions for admission, the Faculty Committee may indicate mandatory curricular additions, specifying one or more subjects belonging to the first level of training, exams which the student will be required to pass prior to enrolment.

The dates of submission and the evaluation findings will be published through the Faculty of Architecture website.



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Training programme

The Master's Course in Architectural Design educational programme emphasizes the role of Design Labs.

In the first three semesters there are six Design Labs (two for each semester) integrating two/four modules of related matters appropriately selected :

1. Structural Design Lab
2. Building and Environmental Design Lab
3. Architecture Design Lab
4. Monument Restoration Lab
5. Advanced Architecture Design Lab
6. Urban Design Lab

The fourth semester will be devoted to internship, workshops, scientific seminar for supporting the thesis, an individual project.

Other courses being :

7. Economic Evaluation of the project
8. History of the City and Architecture
9. Urban Sociology

These latter will, together with free-choice courses or scientific seminars, design workshops or professional internships, complete the training programme leading to the Master's in Architectural Design from the University of Florence.



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University of Florence - Faculty of Architecture - Academic Year 2011-2012							
Master's Course in ARCHITECTURAL DESIGN (B076) - English Curriculum C61							
year	semester	course	SSD	CFU	hours	teacher	
1st year							
1	1	Structural Design Lab		10			
		Structural Design	ICAR/09	8	12	96	Stefania Viti
		Applied Mathematics	MAT/05	2	12	24	Orazio Arena
2	1	Sustainable Architecture Design Lab		12			
		Sustainable Architecture design	ICAR/12	8	12	96	Giuseppe Ridolfi
		Applied Building Physics	ING-IND/11	4	12	48	contract
3	1	History of City and Architecture	ICAR/18	8	12	96	Mario Bevilacqua
4	1	Architecture Design Lab		18			
		Advanced Architectural Design 1	ICAR/14	8	12	96	Giacomo Pirazzoli
		Architecture of Interiors	ICAR/16	4	12	48	contract
		Technology of Materials	ICAR/12	2	12	24	Saverio Mecca
		Advanced Tools of Representation	ICAR/17	4	12	48	Giorgio Verdiani
5	1	Monument Restoration Lab		10			
		Monument Restoration	ICAR/19	8	12	96	Maurizio De Vita
		Structural Rehabilitation	ICAR/08	2	12	24	Giacomo Tempesta
6	2	Urban Sociology	SECSP/10	6	12	72	Leonardo Chiesi
		1st year		64		768	
2nd year							
7	2	Advanced Architectural Design Lab		14			
		Advanced Architectural Design 2	ICAR/14	8	12	96	Francesco Collotti
		Distribution Characters in Architecture	ICAR/14	2	12	24	contract
		Morphologies of Structures	ICAR/08	4	12	48	Giacomo Tempesta
8	2	Urban Design Lab		10			
		Urban Design	ICAR/21	8	12	96	Giuseppe De Luca
		Regional Planning	ICAR/20	2	12	24	Giulio Giovannoni
9	1	Economic Evaluation of Plans and Projects	ICAR/22	6	12	72	Marta Berni
10	2	Free scientific seminar of thesis		8	12	96	
-	2	Workshop, internship, training		6			
	2	Thesis		12			
		2nd year		56		456	
Master's Course in ARCHITECTURAL DESIGN (B076)				120		1224	