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COMBINED BACHELOR AND MASTER
- 300/360 ECTS) IN ARCHITECTURE
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Programme Director Prof. Gino Malacarne

REPORT

Study Programme Report

Architecture

Programme ex D.M. 270/04 - Code 0881 - Class LM-4 C.U.

School of Engineering and Architecture – Cesena Campus

Programme Director Prof. Gino Malacarne

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WHAT IS THE STUDY PROGRAMME REPORT?

What is the Study Programme Report?

The Study Programme Report provides updated information which is important for the purposes of Quality Assurance and is published annually by the University of Bologna.

The main aspects of the teaching programme are described in detail, with a view to assuring the principle of transparency and promoting self-assessment and continuous improvement processes.

The document provides a concrete overview of the features and results of the Study Programme for students, families, employers and so on.

For example, regarding the current issue of employment, it describes the learning outcomes and career opportunities; it also includes statistics on the percentage of employed graduates (D.4. Employment situation).

The document is organised into five sections and a glossary:

A. Presentation and prospects

Key information on the Study Programme, including the expected learning outcomes, career opportunities and further studies.

B. Teaching and Learning

The updated course structure diagram with the full titles and listings of the course units and the latest published lecture timetable.

C. Resources and services

The list of teaching staff and their relative curricula, the offices (secretariats), services (work placements) and infrastructures (libraries, laboratories) available to students.

D. The Study Programme in Figures

Key data shows how many students are enrolled, how many have been assigned additional learning requirements, how many drop out after the first year, how many graduate in line with the programme schedule, the opinions of attending and graduating students on the teaching programmes and information concerning graduate employment.

E. Find out more: the quality of your Study Programme

How the quality system applied to your Study Programme works. The quality system of your Study Programme is a set of processes and responsibilities adopted to guarantee the quality of all Study Programmes at the University of Bologna.

NOTES:

- Reports are available for all Study Programmes for which it is possible to enrol in the first year in academic year 2012/2013: the information and data provided is as updated as possible.
- Sections A, B and C provide data for the academic year 2012/2013.
- Section D presents data regarding the Study Programmes in the last three academic years.
- The information and data were taken from the University databases and the reports published by the [Statistical Observatory of the University of Bologna](#) and [AlmaLaurea](#), and are updated to **15 June 2012**.

A. PRESENTATION AND PROSPECTS

This section presents the key information concerning the Study Programme, including the expected learning outcomes, career opportunities and further studies, updated to the academic year 2013/2014.

A.1. PRESENTATION

This paragraph provides information on the specific learning outcomes of the Study Programme and the curriculum.

This programme produces professional figures with specific competences in architectural design, urban and landscape planning, structural and environmental design, architectural restoration, conservation and promotion of architectural assets and interior design. The study programme is divided equally between theoretical and practical course units.

At the end of the first cycle (years 1 and 2) students shall be assessed on their command of the following fundamental elements:

- Architectural logic,
- Construction,
- The history of essential components of architecture,
- The basic (conventional and computer) techniques for architectural representation,
- The foundations of technical control.

The second cycle (years 3 and 4) provides scientific, technical and professional training in architecture and urban planning, architectural construction and restoration.

The third cycle (year 5) covers the study of specific topics and subject areas in workshops and the production of the final examination.

The Architecture single cycle degree programme starts with the acquisition of solid grounding in mathematics, physics, technical and historical subjects and architectural representation, as well as basic training in architectural design.

In particular, the teaching of mathematics and physical-technical subjects aims to develop methodological skills and experiment the knowledge required to understand the technical problems underlying architectural design; the knowledge of architectural history is required to recognise and critically assess works in terms of the system of shapes, context, materials and techniques used; the representation of architecture and living spaces aims to develop the knowledge of architecture, design and communication.

The programme includes single-subject course units and workshops to develop design skills in the different areas of architectural and urban design, restoration, structural design, including the awareness of the economic and legislative issues connected to all fields of architectural design.

The design workshops held throughout the study programme aim to assess the acquired knowledge, but also offer the perfect educational opportunity for developing design skills that incorporate the different competences and are open to the contribution of specialist knowledge involved in contemporary design processes, in line with the teaching structure used in the majority of European countries. The ultimate objective is to produce designers able to oversee the formal, constructive, productive and regulatory aspects involved in the transformation of the constructed environment, on different scales and in different contexts.

Some modifications have been introduced compared to the previous degree system, concerning the study of the English language; Architecture graduates will also have a command of English to level B2; study may include both the acquisition of the four linguistic skills (reading, writing, listening and dialogue) and compulsory attendance of lessons, in line with the criteria specified by the study programme coherently with the instructions of the Academic Bodies.

A.2. ADMISSION REQUIREMENTS

This paragraph provides information on the knowledge required for admission to the Study Programme.

This information is not available in English at this time.

A.3. LEARNING OUTCOMES

This paragraph provides information on the knowledge and skills students will have acquired by the end of the Programme.

KNOWLEDGE AND COMPREHENSIVE ABILITY:

2nd cycle degree graduates :

- Will have knowledge of the scientific and theoretical aspects, as well as the methodological and functional aspects of mathematics and the other sciences that are fundamental and will be able to use this knowledge to describe and interpret complex problems in detail.
- Will have advanced knowledge of the history of architecture, construction, urban development, architectural restoration and other activities involved in the transformation of the environment related to professions linked to architecture and to building science, as defined in the EEC directive 85/384 and subsequent recommendations.
- Will have knowledge of architectural theory and the literature of architecture.

The preferred teaching method for the achievement of these goals are lectures and practical activities, supported by a wide variety of specialised tutorials and home study. Assessment is by means of oral examination or written papers.

ABILITY TO APPLY KNOWLEDGE AND TO COMPREHENSION:

2nd cycle degree graduates:

- Will have knowledge and understanding of the complex role of architectural design within a context of anthropology, sociology, aesthetics, art history, literature, culture, the performing arts and media.
- Will be able to measure the architectonic space and represent it correctly in 3-dimensions.
- Will be able to produce architectural designs in all scales required, and will be able to develop construction documents.
- Will be able to identify techniques of visual representation in relation to principles of space and the elements that form the anthropic space.
- Will have knowledge and understanding of composition techniques and will be fully aware of the aesthetic, distributive, functional, and structural aspects, as well as the principles of building technologies and the managerial, economic and environmental aspects, and will demonstrate an awareness of cultural trends and requirements of contemporary society.
- Will have knowledge and understanding of the techniques for surveying decay and the methods of renovation work for conservation, scientific restoration and the conversion-transformation of the existing architectonic heritage.
- Will have knowledge and understanding of static theory and the procedures for its application in accordance with the various building elements and the strength of the materials used.
- Will have knowledge and understanding of the problems of structural concepts, of building and civil engineering connected to building design.
- Will have knowledge of the physical and technological problems as well as the functions of buildings in order to ensure both internal comfort and protection from external climatic conditions.
- Will have the necessary technical skills to design structures that satisfy the requirements of the users, as far as is possible within the constraints imposed by budget and regulatory norms for building.
- Will have the competence to use tools for evaluating the economic and constructive feasibility of a design efficiently.
- Will have adequate knowledge of the industries, organizations, regulations and procedures necessary for building design projects and integrating them in the design.

These objectives are reached through a considerable number of hours dedicated to studio activity, with a certain amount of practical activities carried out under the guidance of a professor and individual and group projects, combined with tutoring by teachers operating in the area of study. Assessment, which includes written and oral examination, practical activities, reports and problem solving, requires specific tasks to be performed in which students demonstrate their skills using tools, methodologies and autonomous assessment. During internships, assessment is performed on the basis of a report presented by the student.

JUDGEMENT SKILLS:

2nd cycle degree graduates:

- Will be able to identify and analyse urban structures according to their building principles and define the quality of the urban environment, to report and manage the complex processes of transformation at both an urban and regional level with planning instruments.
- Will know methods and analysis techniques for regional and environmental systems as well as obtain the tools for the economic and environmental evaluation of building designs in both town and regional planning and for the protection of the environment and landscape.
- Will have knowledge of the economic principles and aspects of business management involved in the transformation of the built environment and of the landscape.
- Will be able to form informed judgements thanks to the decisional structure of the process in which the students are involved during the course of design proposals, working in multidisciplinary groups in the studios, which require synthesis and integration of the various areas of knowledge.

The practical activities in the studios, together with the individual projects, give the students the possibility to develop their decision-making capabilities and critical judgement independently.

The assessment of a successful level of critical judgement is made through course unit evaluation and assessment of students' ability to work independently, and as part of a group, throughout the assignments given and during the preparation of the work for the thesis.

COMUNICATION SKILLS:

Graduates:

Fluently use at least one other European language in addition to Italian, orally and in written form, also with a command of their subject vocabulary.

They are able to work in teams through their workshop experiences and the frequent use of group work throughout the programme. They are able to communicate using various verbal, graphic and computer means, given the complexity and poly-semantic nature of architectural design.

They are able to communicate with different professional figures and blend their competences, as a result of the multidisciplinary nature of the workshops.

During the classroom exercises and workshops, seminars and other learning activities, students are not only encouraged to intervene

publicly to improve their ability to clearly and comprehensibly formulate doubts and/or requests for clarification on specific topics, but are also required

to present written and oral reports on specific subjects or aspects for progress tests. Communication skills are assessed not only during these occasions but also during the production of written work and oral presentations for exams.

The final examination also offers students' a further opportunity to develop and verify their skills in the analysis, production and communication of their own work.

The final examination involves the presentation of a dissertation on a subject related to the study programme before an examination board.

They will have English language knowledge to level B2.

English language knowledge will also be tested as part of the assessment of the acquisition of communication skills.

LEARNING SKILLS:

2nd cycle degree graduates:

- Will have the ability to keep abreast of changes to the safety regulations and quality certification which form an integral part of the design process.
- Will be able to learn autonomously complex topics both in the humanities and sciences, as a result of the programme of theoretical courses devoted to single subjects.

The learning abilities acquired are a result of the entire period of study and in particular in home study, the preparation for practical activities and individual projects, as well as the preparation for the thesis and the preparation of the report on the internship period. Learning skills are evaluated continuously throughout the learning period. The respect of deadlines, the presentation of independently collected data, tutoring during the preparation of projects and the evaluation of the self-directed learning which has been developed during the preparation of the thesis are all considered

A.4. CAREER OPPORTUNITIES

This paragraph provides information on the occupational profile, functions and fields of employment available to graduates of this Programme.

2nd cycle degree graduates will be able to fill the following professional roles and relative functions in the fields of employment here indicated:

Professional Architect as indicated in EEC directive 85/384 and subsequent amendments of the EEC advisory committee n°3 of March 13-14 1990, on the mutual recognition of professional architectural qualifications among European states.

2nd cycle degree graduates may register in the professional architects registers pertaining to the 2nd cycle degree programme, indicated as LM-4, once they have passed the state examination and the professional qualifying examination of the professional Architects, Project Designers, Landscape and Restoration Architects' Register; graduates may also register in Section A of the Italian Professional Engineers' Register.

2nd cycle degree graduates may carry out that established by European and Italian directives as according with the qualification of professional architect, and in particular:

- the design – from the stages of proposal, preliminary and final designs – of transformations of the built environment and landscape at different levels and working within the various disciplines of architecture, civil/architectural engineering, architectural and urban planning, town and landscape planning, in structural and environmental design, architectural restoration, conservation and enhancement of the architectural heritage and interior architecture and design.
- management of architectural construction in different roles of senior responsibility in both technical management (works manager, technical supplies manager etc.), as well as financial management (project finance, site manager etc.).
- architectural and environmental quality control in the process of transformation of the built environment and landscape at various levels.

2nd cycle degree graduates have the following job opportunities, even without registration as a professional architect or civil engineer:

- education, teaching at various levels of education.
- promotion of awareness and enhancement of the architectural and environmental heritage (research, publishing, organisation of cultural events etc).

Job opportunities:

2nd cycle degree graduates may work freelance or in a senior position in the fields of construction, transformation, building restoration and enhancement, as well as in town and territorial planning and in complex professional organisations (design and engineering companies, service industries etc.), as in productive sectors (building firms, sector companies) and lastly also in the public or private sector (local and national government, ministries, banking institutes etc.).

2nd cycle degree graduates may teach different disciplines in primary to upper schools as well as in institutes of higher education.

The degree programme project has been submitted to selected external stakeholders in order to receive their opinions and feedbacks on the learning outcomes and the professional profiles.

A.5. OPINION OF SOCIAL PARTNERS AND POTENTIAL EMPLOYERS

This paragraph describes the outcome of the consultation with the representative employment and trade organisations.

This information is not available in English at this time.

A.6. FURTHER STUDIES

It gives access to third cycle studies (Dottorato di ricerca/Scuole di specializzazione) and master universitario di secondo livello.

B. TEACHING AND LEARNING

This section describes the updated course structure diagram (for academic year 2013/2014), with the full titles and listings of the course units and the latest published lecture timetable.

B.1. COURSE STRUCTURE DIAGRAM

The link takes you to the Study Programme course structure diagrams. You can also access to each course unit content.

- [Study plan: all course units in the programme](#)

B.2. CALENDAR AND LECTURE TIMETABLE

The links take you to the teaching calendar (exam session and final examination session) and the lecture timetable (in Italian).

- [Lecture timetable](#)
- [Exam sessions](#)
- [Final examination sessions](#)

C. RESOURCES AND SERVICES

This section provides a list of teaching staff and their relative curricula and and description of the services available to students for the academic year 2013/2014.

C.1. TEACHERS

The paragraph lists the lecturers who teach in the Study Programme: from here you can access the personal web pages of each one. Information updated to 28 May 2013 (in Italian).

Permanent teaching staff:

| | | | |
|--|---|--|---|
| Agnolotto, Matteo | Esposito, Antonio | Malacarne, Gino | Rossi, Stefania |
| Albano, Paolo | Fallavollita, Federico | Manferdini, Anna Maria | San Vicente Santiago, Felix |
| Antonini, Ernesto | Fera, Francesco Saverio | Marata, Alessandro | Savini, Maura |
| Apollonio, Fabrizio Ivan | Gaspari, Jacopo | Molari, Luisa | Tarabusi, Valerio |
| Balducci, Valter | Gasparini, Giada | Mucelli, Elena | Trentin, Annalisa |
| Boeri, Andrea | Gentilini, Cristina | Nobile, Lucio | Trombetti, Tomaso |
| Braghieri, Gianni | Gulinello, Francesco | Orioli, Valentina | Tronchin, Lamberto |
| Ceccarelli, Francesco | Leoni, Giovanni | Parmeggiani, Alberto | Ugolini, Andrea |
| Clemente, Ildebrando | Longo, Danila | Pretelli, Marco | |

Contract teaching staff:

| | | |
|---------------------------------------|-----------------------------------|--------------------------------------|
| Baroncini, Valentina | Fabbri, Kristian | Sacchetti, Raffaella |
| Bartolomeo, Veronica | Gamberini, Enrico | Sordi, Massimo |
| Bonagura, Mario | Orazi, Manuel | Tommasoli, Andrea |
| Borsari, Andrea | Pittini, Sandro | |
| Cavani, Andrea | Poletti, Giovanni | |
| Chiaromonte, Giovanni | Proli, Stefania | |
| Cipriani, Marialuisa | Ricci, Pier Carlo | |
| Conti, Giordano | Ronconi, Cesare | |
| D'Alessandro, Martina | Ruf, Annina Maria | |

C.2. STUDENT SERVICES: OFFICES

C.2.1. FUTURE STUDENTS

The link take you to the webpage which provides specific information about the offices and the services for the future students (in italian).

- [Future students](#)

C.2.2. ENROLLED STUDENTS

The link take you to the webpage which provides specific information about the offices and the services for the enrolled students (in italian).

- [Enrolled students](#)

C.2.3. INTERNATIONAL STUDENTS

The link take you to the webpage which provides specific information about the offices and the services for the international students (in italian).

- [International students](#)

C.2.4. GRADUATES

- [Graduates](#)

D. THE STUDY PROGRAMME IN FIGURES

Information on students' starting their university careers, how many students are in line with the regular programme, opinions of students and graduates on the teaching programmes and information concerning graduate employment.

This section provides the data of the last academic years for the Study Programme (SP) and a comparison with similar Study Programmes. The University of Bologna has divided its Study Programmes into four groups:

- **BIOMEDICAL** group: Study Programmes of the Schools of Pharmacy, Biotechnology and Sport Science; Medicine; Agriculture and Veterinary Medicine
- **SCIENTIFIC-TECHNOLOGICAL** group: Study Programmes of the Schools of Engineering and Architecture; Sciences
- **SOCIAL SCIENCES** group: Study Programmes of the Schools of Economics, Management, and Statistics; Law, Political Sciences
- **HUMANITIES** group: Study Programmes of the Schools of Arts, Humanities, and Cultural Heritage; Foreign Languages and Literatures, Interpreting and Translation; Psychology and Education

The section presents the results of the Study Programme for the last three academic years.

Main data shows how many students enrolled, the number of students assigned additional learning requirements, how many drop out after the first year, how many graduate in line with the programme schedule, the opinions of attending and graduating students on the teaching programmes and information concerning graduate employment.

The information and data presented in this section, updated to 28 May 2013, were taken from University databases and *AlmaLaurea*.

Study Programmes may be subject to degree programme system modifications from one academic year to the next, and the data provided in this section may refer to a programme with a slightly different system to the one currently running (such as programme title, course structure diagram and list of lecturers). However, indicatively the data presents the general trend of the Study Programme over the past three years.

Most of the Study Programmes running at the University of Bologna have been reformed in compliance with DM 270/04, most of them from the academic year 2008/2009. For this reason for the previous academic years for some information, as opinion of the graduates and employment situation, are provided in the reports of those Programmes, on the paragraph D.5. refers to the Study Programmes as they were presented prior to the reform.

D.1. STUDENTS STARTING THEIR UNIVERSITY CAREERS

Characteristics of incoming students at the beginning of their university careers. Tables and graphs provide information on the number of registered students, focusing on the characteristics of the students, results of any entrance tests and the students assigned any additional learning requirements.

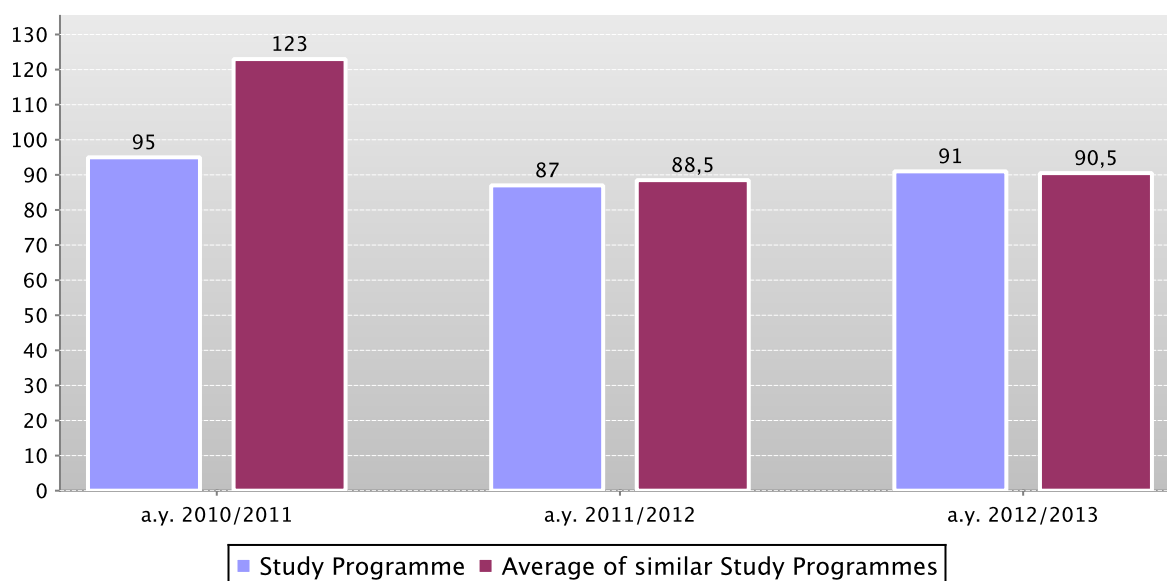
D.1.1. ENROLMENTS AND REGISTRATIONS

The **graph** shows the number of students enrolled in the 1st year compared with the average of similar Study Programmes (which belong to the same group).

In addition, the **table** shows the total number of registered students and the total number of enrolled students.

Data of the Study Programme is compared with the average of the Study Programmes of average of similar Study Programmes (which belong to the same group) for the indicated academic years.

First year enrolments



| | a.y. 2010/2011 | | | a.y. 2011/2012 | | | a.y. 2012/2013 | | |
|-------------------------------------|---------------------|--------------------------|----------------------------|---------------------|--------------------------|----------------------------|---------------------|--------------------------|----------------------------|
| | Registered students | N. first year enrolments | Total N. enrolled students | Registered students | N. first year enrolments | Total N. enrolled students | Registered students | N. first year enrolments | Total N. enrolled students |
| Study Programme | 78 | 95 | 289 | 70 | 87 | 375 | 77 | 91 | 467 |
| Average of similar Study Programmes | 108,5 | 123 | 469,5 | 76 | 88,5 | 440,5 | 74,5 | 90,5 | 415 |

D.1.2. ADDITIONAL DATA ON STUDENTS' STARTING THEIR UNIVERSITY CAREERS

D.1.2.1. CANDIDATES REGISTERED FOR THE ENTRANCE EXAM

The number of students sitting the [entrance exam](#) for the Study Programme. Concerns the programmes with restricted access. The methods of managing the call for applications and the list of candidates, including the methods for filling any unclaimed places, may vary from year to year.

The **table** shows the number of places available for the study programme, the number of candidates enrolling for the exam, the number sitting the exam and the percentage of students sitting the exam compared to the number of places available.

For all programmes with restricted access, candidates are required to sit an entrance exam and there are a limited number of places available. The entrance exam is a test which is used to draw up a graded list of candidates; students may enrol in the programme according to their place in the list. The methods of managing the call for applications and the list of candidates, including the methods for filling any unclaimed places, may vary from year to year. The test may be specific to a Degree Programme or may be part of a single exam covering several programmes from the same university or from other universities (during the registration the students should indicate their first choice).

The following definitions apply:

Available places = the number of places laid down in the call for applications to the Study Programme, or determined by subsequent legal provisions; these exclude any additional places reserved according to special provisions of the programme (e.g. for international study programmes, they do not include places for foreign students selected from other universities; for all programmes with restricted access regulated nationally, these do not include the places reserved for transferring students).

Number of candidates for the exam = number of students registered for the exam indicating the study programme as their first choice;

Number of participants in the exam = number of students participating in the exam indicating the study programme as their first choice;

Number of participants in the exam for every available place = number of students participating in the exam who indicated the study programme as their first choice as a ratio of the number of places available on the programme.

| | Number of places available (a) | Candidates registered for the exam | Candidates sitting the exam (b) | Number of candidates sitting the exam per place available (b/a) |
|----------------|--------------------------------|------------------------------------|---------------------------------|---|
| a.y. 2010/2011 | 100 | 277 | 269 | 2,7 |
| a.y. 2011/2012 | 100 | 340 | 321 | 3,2 |
| a.y. 2012/2013 | 100 | 264 | 250 | 2,5 |

D.1.2.2. INCOMING STUDENTS

Geographic origin, type of high school certificate, age and gender of students.

Data shows a homogeneous group of students (**cohort**) which started together their academic career.

Students which have **passed** to an other Study Programme, **transferred** from an other university, or registered to a 2nd degree are not included.

The **tables** show the number, geographic origin, gender, age, type and grade of high school certificate of students enrolling in the degree programme.

The Study Programme data is compared with the **average of similar Study Programmes (which belong to the same group)**, for the indicated academic years.

| | | Registered students | Geographic origin | | | | | Gender | | Average age of registered students | | |
|--------------------|-------------------------------------|---------------------|---|---|---|--|-----------------------------|--------|-------|------------------------------------|---------|------------|
| | | | Students coming from the province of the Study Programme site | Students coming from other provinces where Unibo has a site | Students coming from other provinces of Emilia Romagna region | Students coming from other Italian regions | Students coming from abroad | M | F | 19 or less | 20 - 24 | 25 or more |
| Students 2010/2011 | Study Programme | 78 | 42,3% | 23,1% | 1,3% | 30,8% | 2,6% | 37,2% | 62,8% | 93,6% | 3,8% | 2,6% |
| | Average of similar Study Programmes | 108,5 | 45,6% | 18,4% | 11,1% | 23,0% | 1,8% | 43,8% | 56,2% | 95,4% | 3,2% | 1,4% |
| Students 2011/2012 | Study Programme | 70 | 40,0% | 34,3% | 2,9% | 22,9% | | 31,4% | 68,6% | 77,1% | 21,4% | 1,4% |
| | Average of similar Study Programmes | 76 | 40,1% | 24,3% | 13,2% | 21,7% | 0,7% | 39,5% | 60,5% | 82,9% | 15,8% | 1,3% |
| Students 2012/2013 | Study Programme | 77 | 26,0% | 40,3% | 1,3% | 29,9% | 2,6% | 42,9% | 57,1% | 77,9% | 20,8% | 1,3% |
| | Average of similar Study Programmes | 74,5 | 32,2% | 26,8% | 10,1% | 29,5% | 1,3% | 39,6% | 60,4% | 83,9% | 15,4% | 0,7% |

| | | High school certificate | | | | | Grade of High school | | | |
|--------------------|-------------------------------------|-------------------------|--------------------|---|---|---------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| | | Vocational schools | Technical Colleges | High school specializing in education and in psycho-pedagogical science | High schools specializing in classical studies, modern languages, science education | Other Italian or foreign high schools | Grade ranging from 60 to 69 | Grade ranging from 70 to 79 | Grade ranging from 80 to 89 | Grade ranging from 90 to 100 |
| Students 2010/2011 | Study Programme | 2,6% | 16,7% | | 73,1% | 7,7% | 5,1% | 29,5% | 32,1% | 30,8% |
| | Average of similar Study Programmes | 0,9% | 14,7% | | 80,6% | 3,7% | 7,8% | 22,6% | 32,3% | 35,9% |
| Students 2011/2012 | Study Programme | 4,3% | 22,9% | 1,4% | 68,6% | 2,9% | 10,0% | 25,7% | 31,4% | 32,9% |
| | Average of similar Study Programmes | 2,0% | 15,8% | 0,7% | 79,6% | 2,0% | 9,2% | 17,8% | 32,9% | 39,5% |
| Students 2012/2013 | Study Programme | 7,8% | 18,2% | 1,3% | 62,3% | 10,4% | 16,9% | 23,4% | 27,3% | 23,4% |
| | Average of similar Study Programmes | 4,0% | 12,8% | 1,3% | 70,5% | 11,4% | 10,7% | 22,1% | 26,8% | 29,5% |

D.1.2.3. ADDITIONAL LEARNING REQUIREMENTS

Students on the programme assigned **additional learning requirements** (OFA). OFA are learning requirements assigned to enrolled students who have not demonstrated the full possession of the entrance requirements. The assessment methods of students' initial preparation and the fulfilment of the OFA are described in the Study Programme Regulations, and may change each year. Students not completing the additional learning requirements are obliged to re-enrol in year 1 as repeating students.

The **table** shows the number of **registered students**, the number of students assigned OFA, the number who fulfilled them, the percentage of students assigned OFA compared to the number of enrolled students and the percentage fulfilling the OFA compared to those assigned them.

| | Registered students (a) | Students assigned OFA (b) | Students who fulfilled OFA (c) | % of students assigned OFA compared to the number of enrolled students (b/a) | % of students fulfilling the OFA compared to number of students assigned (c/b) |
|--------------------|-------------------------|---------------------------|--------------------------------|--|--|
| Students 2010/2011 | 78 | 0 | | | |
| Students 2011/2012 | 70 | 0 | | | |
| Students 2012/2013 | 77 | 31 | | | |

*Note: At the time of publication of this report the number of students fulfilling the OFA can be measured for a.y. 2009/2010 and a.y. 2010/2011 only.

D.2. REGULARITY OF STUDIES

Insight into the regularity with which the students pass their exams.

Graphs and tables provide information on the number of students who leave the programme after the first year and the number of regular graduates, focusing on the number of credits obtained at the end of the first year, on the exams passed and average grade achieved for each course unit.

D.2.1. STUDENTS LEAVING THE PROGRAMME BETWEEN YEARS 1 AND 2

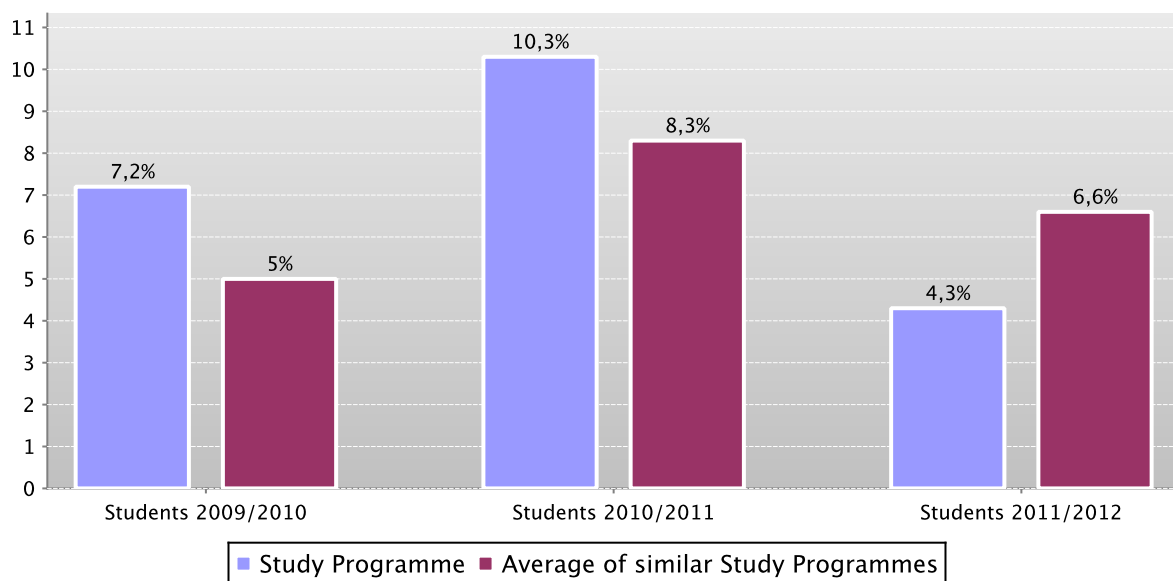
Here the number of students leaving the Study Programme is shown.

The **graph** shows the percentage of students who leave the programme after the first year compared to the average of similar Study Programmes (belonging to the same group).

The **table** shows the registered students, the percentage of students leaving the programme who pass to a different Study Programme in the same university, transfer to another university or withdraw from studies, as well as the enrolled repeating students and those enrolled in the second year.

The Study Programme data is compared with the average of similar Study Programmes (which belong to the same group), for students registered in the indicated academic years.

Percentage of withdrawals between years 1 and 2



| | | Registered students | % withdrawals | % passages and transfers | % repeating students | Students enrolled in the second year |
|--------------------|-------------------------------------|---------------------|---------------|--------------------------|----------------------|--------------------------------------|
| Students 2009/2010 | Study Programme | 83 | 7,2% | 4,8% | 0,0% | 73 |
| | Average of similar Study Programmes | 110,5 | 5,0% | 4,5% | 0,0% | 100 |
| Students 2010/2011 | Study Programme | 78 | 10,3% | 2,6% | 0,0% | 68 |
| | Average of similar Study Programmes | 108,5 | 8,3% | 5,1% | 0,0% | 94 |
| Students 2011/2012 | Study Programme | 70 | 4,3% | 5,7% | 0,0% | 63 |
| | Average of similar Study Programmes | 76 | 6,6% | 5,3% | 0,0% | 67 |

D.2.2. REGULAR GRADUATES

The new Study Programme running in compliance with D.M. 270/04 has not produced any graduates yet.
See data of previous academic years – Study Programme D.M. 509/99 Architecture (code 0012) [paragraph D.5.2.2.](#)

D.2.3. ADDITIONAL DATA ON REGULARITY OF STUDIES

D.2.3.1. CREDITS OBTAINED BY STUDENTS IN THE 1ST YEAR

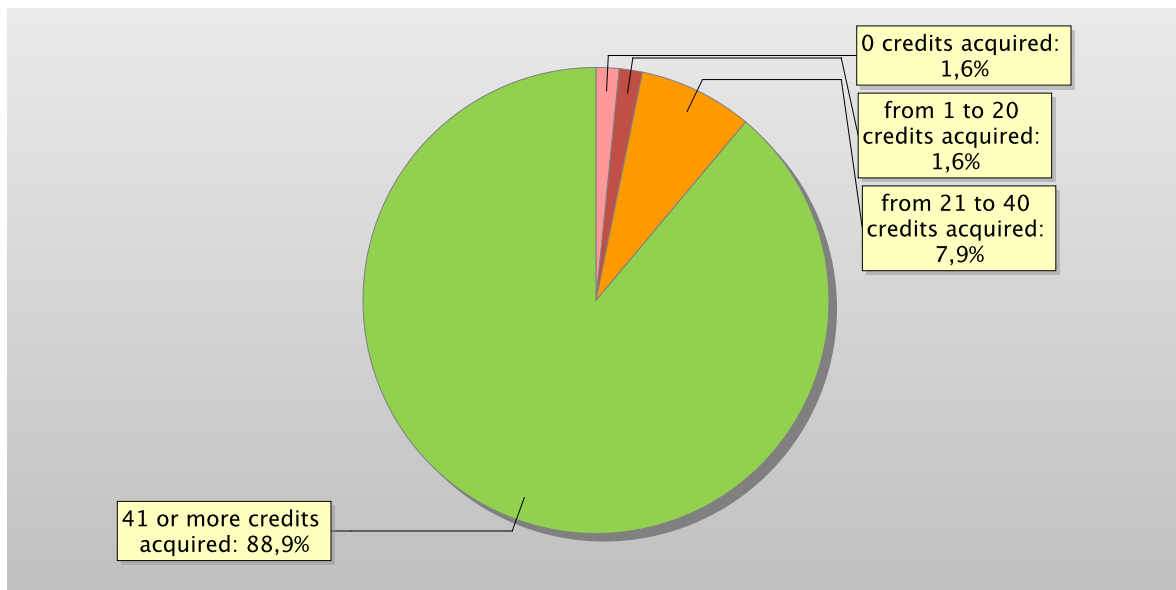
This offers an insight into how regularly students pass their exams.

The **graph** shows the distribution of the students according to the number of **credits** obtained at the end of the first year.

In addition, the **table** shows the number of students registered at the second year and average **credits** obtained during the first year.

The Study Programme data is compared with the **average of similar Study Programmes (which belong to the same group)**, for students registered in the indicated academic years.

Distribution of the students in 2011/2012 according to the number of credits obtained at the end of the first year*



| | | Students enrolled in the 2nd year | % students with * | | | | Average credits per student |
|--------------------|-------------------------------------|-----------------------------------|--------------------|-------------------------------|--------------------------------|-----------------------------|-----------------------------|
| | | | 0 credits acquired | from 1 to 20 credits acquired | from 21 to 40 credits acquired | 41 or more credits acquired | |
| Students 2009/2010 | Study Programme | 73 | 1,4% | 1,4% | 17,8% | 79,5% | 49 |
| | Average of similar Study Programmes | 100 | 1,0% | 1,0% | 22,0% | 76,0% | 45,5 |
| Students 2010/2011 | Study Programme | 68 | 1,5% | | 20,6% | 77,9% | 47,4 |
| | Average of similar Study Programmes | 94 | 2,1% | 5,3% | 22,3% | 70,2% | 41,9 |
| Students 2011/2012 | Study Programme | 63 | 1,6% | 1,6% | 7,9% | 88,9% | 54,4 |
| | Average of similar Study Programmes | 67 | 0,7% | 3,7% | 11,2% | 84,3% | 47,9 |

*Note: by convention, credits are considered to be obtained by students by 31st October of the year following the year of enrolment.

D.2.3.2. EXAMS PASSED AND AVERAGE GRADE

The **table** shows number of exams passed and average grade achieved for each course unit in the calendar year 2011. Marks for the exams passed are expressed out of thirty.

The data refers to the course unit code and therefore includes the various branches of the programme divided into channels or sub-groups, divided by letter.

It considers all subjects for which a grade is assigned, and therefore excludes all those to which a pass/fail score is allocated.

Data of the Study Programme D.M. 270/04 Architettura (code 0881)

| | N. of exams passed | Average grade * |
|--|--------------------|-----------------|
| 00345 ESTETICA | 85 | 28,1 |
| 00545 ISTITUZIONI DI MATEMATICHE II | 73 | 25,9 |
| 00890 SCIENZA DELLE COSTRUZIONI | 55 | 25,1 |
| 12240 DISEGNO DELL'ARCHITETTURA I | 90 | 27,7 |
| 12789 DISEGNO DELL'ARCHITETTURA II | 89 | 27,5 |
| 17123 PROGETTAZIONE ESECUTIVA DELL'ARCHITETTURA | 100 | 28,4 |
| 19088 STRUTTURE E STATICA NELL'ARCHITETTURA | 92 | 26,1 |
| 19092 FISICA TECNICA AMBIENTALE I | 77 | 24,8 |
| 19495 STORIA DELL'ARCHITETTURA 3 | 65 | 28,8 |
| 23800 TEORIE E STORIA DEL RESTAURO | 101 | 27,6 |
| 27528 MATEMATICA (C.I.) | 73 | 26,6 |
| 29482 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA I (C.I.) | 81 | 28,5 |
| 29621 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA II (C.I.) | 88 | 28,1 |
| 29785 LABORATORIO DI COSTRUZIONE DELL'ARCHITETTURA I (C.I.) | 88 | 27,8 |
| 29821 ELEMENTI DI URBANISTICA | 89 | 27,1 |
| 29835 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA III (C.I.) | 87 | 25,8 |
| 30093 LABORATORIO DI URBANISTICA (C.I.) | 83 | 28,1 |
| 30126 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA IV (C.I.) | 48 | 26,7 |
| 30355 LABORATORIO DI RESTAURO ARCHITETTONICO (C.I.) | 51 | 28,7 |
| 30369 LABORATORIO DI COSTRUZIONE DELL'ARCHITETTURA II (C.I.) | 66 | 28,5 |
| 32144 MATEMATICA APPLICATA ALL'ARCHITETTURA | 82 | 29,7 |
| 32145 TECNICA E LEGISLAZIONE URBANISTICA (C.I.) | 56 | 28,3 |
| 32647 LABORATORIO DI RILIEVO DELL'ARCHITETTURA (C.I.) | 95 | 28 |
| 32857 STORIA DELL'ARCHITETTURA 1 | 92 | 27,1 |
| 47291 STORIA DELL'ARCHITETTURA 2 | 105 | 25,8 |
| 52483 MATERIALI E PROGETTAZIONE DI ELEMENTI COSTRUTTIVI | 84 | 23,7 |
| 69496 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA III (C.I.) - ERASMUS | 3 | |
| 69497 ELEMENTI DI URBANISTICA - ERASMUS | 1 | |
| 69927 LABORATORIO DI URBANISTICA (C.I.) - ERASMUS | 8 | 26,3 |
| 70052 TECNICA E LEGISLAZIONE URBANISTICA (C.I.) - ERASMUS | 2 | |
| 70251 STORIA DELL'ARCHITETTURA 3 - ERASMUS | 8 | 20,8 |
| 70283 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA IV (C.I.) - ERASMUS | 3 | |
| 70351 LABORATORIO DI RESTAURO ARCHITETTONICO (C.I.) - ERASMUS | 1 | |
| 70759 STORIA DELL'ARCHITETTURA 2 - ERASMUS | 1 | |

| | N. of exams passed | Average grade * |
|---|--------------------|-----------------|
| 70760 MATERIALI E PROGETTAZIONE DI ELEMENTI COSTRUTTIVI - ERASMUS | 1 | |

* Note: no average grade is given if the number of exams passed is less than or equal to 5.
See data of Study Programme D.M. 509/99 Architecture (code 0012), [paragraph D.5.2.3.2.](#)

D.3. OPINIONS OF GRADUATES AND ATTENDING STUDENTS

Opinions of graduates on the Study Programme.

Tables and graphs provide information on the number of graduates who expressed positive opinions on the Study Programme, focusing on opinions expressed by attending students on course units.

D.3.1. OPINION OF GRADUATES

The new Study Programme running in compliance with D.M. 270/04 has not produced any graduates yet.

See data of previous academic years – Study Programme D.M. 509/99 Architecture (code 0012) [paragraph D.5.3.1.](#)

D.3.2 ADDITIONAL DATA ON OPINIONS OF STUDENTS

D.3.2.1. OPINION OF ATTENDING STUDENTS

The **graph** shows the percentage of attending students who responded positively to the question in the questionnaire: “Are you generally satisfied with this course unit?” in academic year 2011/2012.

The **table** also shows the number of completed questionnaires.

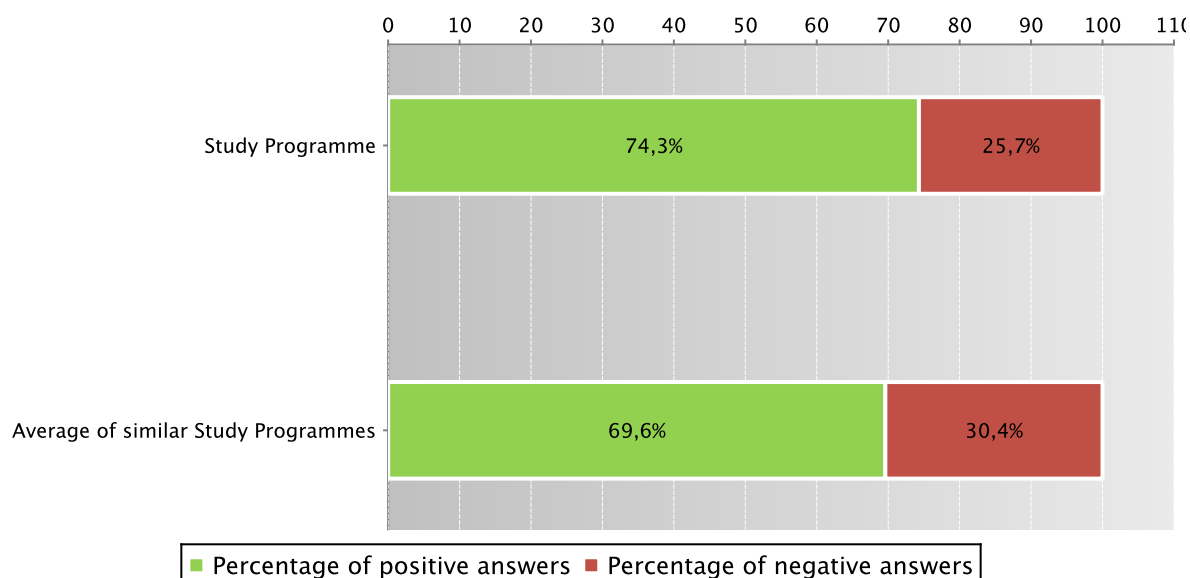
The Study Programme data is compared with the [average of similar Study Programmes \(which belong to the same group\)](#), for the indicated academic years.

The data concerning the students' opinion refers to the opinions of those attending lessons, whether they are enrolled in the current programme or a Study Programme running under pre-reform regulations (under D.M. 509).

For the University of Bologna the survey and subsequently analysis of the attending students opinion is cared by *Aform* - Quality Assurance Department and *Arag* - Support Planning and Evaluation Department. The overall results and the methods of collection and analysis are described in the document published online on the [Statistical Observatory of the University of Bologna](#) (see the note in the glossary).

Students who responded positively to the question: “Are you generally satisfied with this course unit?” in academic year 2011/2012

Data of the Study Programme D.M. 270/04 Architettura (code 0881) and of the Study Programme D.M. 509/99 Architettura (code 0012)



Data of the Study Programme D.M. 270/04 Architettura (code 0881) and of the Study Programme D.M. 509/99 Architettura (code 0012)

| | | Number of completed questionnaires | % of positive answers concerning the general satisfaction with the course unit – Question 19 |
|----------------|-------------------------------------|------------------------------------|--|
| a.y. 2009/2010 | Study Programme | 1813 | 82,5% |
| | Average of similar Study Programmes | 2628,5 | 73,0% |
| a.y. 2010/2011 | Study Programme | 1878 | 75,7% |
| | Average of similar Study Programmes | 2192 | 74,3% |
| a.y. 2011/2012 | Study Programme | 1872 | 74,3% |
| | Average of similar Study Programmes | 2201 | 69,6% |

Symbols:

(*) When there is a small number of questionnaires, the percentage of positive opinions on overall satisfaction is not presented.

Further information on [Rapporto Opinione degli studenti frequentanti sulle attività didattiche](#) (the content is in Italian).

D.4. ENTRY INTO THE WORLD OF WORK

Employment situation of graduates of the Study Programme.

Tables and graphs provide information on the employment situation of graduates one year after graduating.

D.4.1. EMPLOYMENT SITUATION

Data of Employment situation of graduates of Study Programmes reformed in compliance with D.M. 270/04 have not been collected yet.

See data of previous academic years – Study Programme D.M. 509/99 Architecture (code 0012) [paragraph D.5.4.1](#).

D.5. INFORMATION ON PRE-REFORM PROGRAMMES (DM 509/99)

D.5.1. STUDENTS STARTING THEIR UNIVERSITY CAREERS

Characteristics of incoming students at the beginning of their university careers. Tables and graphs provide information on the number of registered students, focusing on the characteristics of the students, results of any entrance tests and students assigned additional learning requirements.

D.5.1.1. ENROLMENTS AND REGISTRATIONS

Data of enrolments and registrations of the last three academic years are shown in [paragraph D.1.1](#).

D.5.1.2. ADDITIONAL DATA ON STUDENTS' STARTING THEIR UNIVERSITY CAREERS

D.5.1.2.1. CANDIDATES REGISTERED FOR THE ENTRANCE EXAM

Data of candidates registered for the entrance exam are shown in [paragraph D.1.2.1](#).

D.5.1.2.2. INCOMING STUDENTS

Data of incoming students of the last three academic years are shown in [paragraph D.1.2.2](#).

D.5.2. REGULARITY OF STUDIES

Insight into the regularity with which the students pass their exams.

Graphs and tables provide information on the number of students who leave the programme after the first year and the number of regular graduates, focusing on the number of credits obtained at the end of the first year, the number of exams passed and the average grade achieved for each course unit.

D.5.2.1. STUDENTS LEAVING THE PROGRAMME BETWEEN YEARS 1 AND 2

Data of students leaving the Study Programme of the last three academic years are shown in [paragraph D.2.1](#).

D.5.2.2. REGULAR GRADUATES

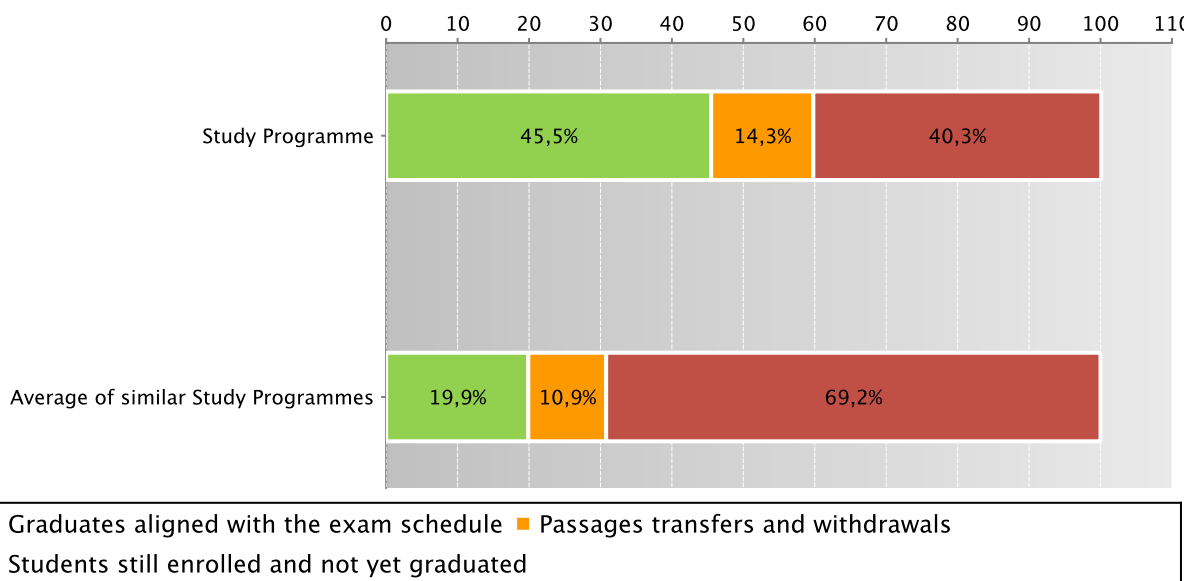
Here you will find information on regular graduates, on how many students, at the end of the regular programme duration, left the programme and how many are still enrolled but not aligned to the exam schedule.

The **graph** and the **table** show the situation concerning **registered students** for the indicated academic year, at the end of the regular duration of the Study Programme, highlighting the percentage of regular graduates, the number of students still enrolled (**not aligned to the exam schedule** and **repeating students**), students who have left the programme (including **passages, transfers and withdrawals**).

The Study Programme data is compared with the average of **similar Study Programmes (which belong to the same group)** for students registered in the indicated academic years.

Situation of students 2007/2008 at the end of regular duration of the study programme

Data of the Study Programme D.M. 509/99 Architecture (code 0012)



Data of the Study Programme D.M. 509/99 Architecture (code 0012)

| | Registered students | Regular graduates | | Passages transfers and withdrawals | | Students still enrolled and not yet graduated | | |
|--------------------|-------------------------------------|-------------------|------|------------------------------------|----|---|------|-------|
| | | N. | % | N. | % | N. | % | |
| Students 2005/2006 | Study Programme | 85 | 32 | 37,6% | 15 | 17,6% | 38 | 44,7% |
| | Average of similar Study Programmes | 111 | 19 | 17,1% | 17 | 15,3% | 75 | 67,6% |
| Students 2006/2007 | Study Programme | 79 | 39 | 49,4% | 13 | 16,5% | 27 | 34,2% |
| | Average of similar Study Programmes | 112 | 21,5 | 19,2% | 17 | 15,2% | 73,5 | 65,6% |
| Students 2007/2008 | Study Programme | 77 | 35 | 45,5% | 11 | 14,3% | 31 | 40,3% |
| | Average of similar Study Programmes | 110,5 | 22 | 19,9% | 12 | 10,9% | 76,5 | 69,2% |

Go back to [D.2.2. Regular graduates](#)

D.5.2.3. ADDITIONAL DATA ON REGULARITY OF STUDIES

D.5.2.3.1. CREDITS OBTAINED BY STUDENTS IN THE 1ST YEAR

Data of credits obtained by students in the 1st year of the last three academic years are shown in paragraph D.2.3.1.

D.5.2.3.2. EXAMS PASSED AND AVERAGE GRADE

The **table** shows number of exams passed and average grade achieved for each course unit in the calendar year 2011. Marks for the exams passed are expressed out of thirty.

The data refers to the course unit code and therefore includes the various branches of the programme divided into channels or sub-groups, divided by letter.

It considers all subjects for which a grade is assigned, and therefore excludes all those to which a pass/fail score is allocated.

Data of the Study Programme D.M. 509/99 Architettura (code 0012)

| | N. of exams passed | Average grade * |
|--|--------------------|-----------------|
| 00085 CARATTERI DISTRIBUTIVI DEGLI EDIFICI | 3 | |
| 00430 FISICA TECNICA | 20 | 22,8 |
| 00545 ISTITUZIONI DI MATEMATICHE II | 9 | 21,3 |
| 00890 SCIENZA DELLE COSTRUZIONI | 42 | 24 |
| 01016 TECNICA URBANISTICA | 2 | |
| 04762 ALLESTIMENTO E MUSEOGRAFIA | 20 | 28,1 |
| 07411 STORIA DELL'ARCHITETTURA MODERNA | 4 | |
| 07507 STORIA DELL'ARCHITETTURA CONTEMPORANEA | 7 | 25,6 |
| 10427 FISICA TECNICA AMBIENTALE | 30 | 25,1 |
| 12656 DISEGNO DELL'ARCHITETTURA | 17 | 28,1 |
| 12660 COMPOSIZIONE E PROGETTAZIONE URBANA | 16 | 28,9 |
| 12786 LABORATORIO DI COSTRUZIONE DELL'ARCHITETTURA I | 1 | |
| 13649 LABORATORIO CAD | 1 | |
| 15587 NORMATIVE URBANISTICHE (CORSO INTEGRATO) | 1 | |
| 15824 VALUTAZIONE ECONOMICA DEI PROGETTI | 78 | 26,1 |
| 16692 LABORATORIO DI INFORMATICA | 1 | |
| 17123 PROGETTAZIONE ESECUTIVA DELL'ARCHITETTURA | 2 | |
| 19088 STRUTTURE E STATICA NELL'ARCHITETTURA | 16 | 23,8 |
| 19090 TEORIE DELLA COMPOSIZIONE ARCHITETTONICA | 15 | 26,4 |
| 19367 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA II (CORSO INTEGRATO) | 1 | |
| 19368 LABORATORIO INTEGRATIVO DI COSTRUZIONE DELL'ARCHITETTURA I (CORSO INTEGRATO) | 1 | |
| 19369 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA III (CORSO INTEGRATO) | 19 | 26,5 |
| 19370 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA IV (CORSO INTEGRATO) | 1 | |
| 19371 LABORATORIO DI COSTRUZIONE DELL'ARCHITETTURA II (CORSO INTEGRATO) | 2 | |
| 19484 STORIA DELL'ARCHITETTURA 1 (CORSO INTEGRATO) | 1 | |
| 19495 STORIA DELL'ARCHITETTURA 3 | 31 | 26,4 |
| 19974 DISEGNO (CORSO INTEGRATO) | 3 | |
| 20874 LA CONCEZIONE STRUTTURALE NELLE COSTRUZIONI | 15 | 30 |

| | N. of exams passed | Average grade * |
|---|--------------------|-----------------|
| 22568 MATEMATICA - (CORSO INTEGRATO) | 3 | |
| 22569 ISTITUZIONI DI MATEMATICHE - I | 3 | |
| 22570 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA II - (CORSO INTEGRATO) | 2 | |
| 22571 PROGETTAZIONE ESECUTIVA DELL'ARCHITETTURA - | 12 | 29,3 |
| 22572 LABORATORIO DI PROGETTAZIONE ARCHITETTONICA IV - (CORSO INTEGRATO) | 57 | 27,6 |
| 22573 LABORATORIO DI COSTRUZIONE DELL'ARCHITETTURA II - (CORSO INTEGRATO) | 52 | 27,5 |
| 22574 TECNICA URBANISTICA - | 48 | 27,3 |
| 23240 ARCHITETTURA E CITTA' DELLA CONTEMPORANEITA' | 32 | 29,4 |
| 23800 TEORIE E STORIA DEL RESTAURO | 17 | 27,2 |
| 34171 LABORATORIO DI RESTAURO ARCHITETTONICO | 1 | |
| 34173 LABORATORIO INTEGRATIVO DI RESTAURO ARCHITETTONICO | 1 | |
| 34175 MATEMATICA APPLICATA (ALL' ARCHITETTURA) | 28 | 28,9 |
| 34176 RILIEVO DELL' ARCHITETTURA (CORSO INTEGRATO) | 19 | 28,5 |
| 42966 ELEMENTI DI URBANISTICA (CORSO INTEGRATO) | 13 | 25,4 |
| 42969 ILLUMINOTECNICA E ACUSTICA | 31 | 29,4 |
| 45117 LABORATORIO DI URBANISTICA (CORSO INTEGRATO) | 12 | 27,4 |
| 45118 LABORATORIO DI RESTAURO ARCHITETTONICO (CORSO INTEGRATO) | 27 | 28,4 |
| 45119 LEGISLAZIONE E DIRITTO URBANISTICO (CORSO INTEGRATO) | 63 | 27,5 |
| 47209 ARCHITETTURA E RAPPRESENTAZIONE DEL PROGETTO | 1 | |
| 47291 STORIA DELL'ARCHITETTURA 2 | 4 | |
| 48353 PSICOLOGIA DELLA FORMA - | 37 | 26,6 |
| 48354 STORIA E TECNICA DELLA FOTOGRAFIA - | 32 | 28,6 |
| 52124 LEGISLAZIONE DELLE OPERE PUBBLICHE E DELL'EDILIZIA | 2 | |
| 52483 MATERIALI E PROGETTAZIONE DI ELEMENTI COSTRUTTIVI | 2 | |
| 55150 LABORATORIO DI COSTRUZIONE DELL'ARCHITETTURA I (CORSO INTEGRATO) - | 2 | |
| S0091 CREDITI NEL SETTORE ICAR/20 | 2 | |

*Note: no average grade is given if the number of exams passed is less than or equal to 5.

Go back to [D.2.3.2. Exams passed and average grade](#)

D.5.3. OPINIONS OF ATTENDING STUDENTS AND GRADUATES

Opinions of graduates on the Study Programme.

Tables and graphs provide information on the number of graduates who expressed positive opinions on the Study Programme, focusing on opinions expressed by attending students on course units.

D.5.3.1. OPINION OF GRADUATES

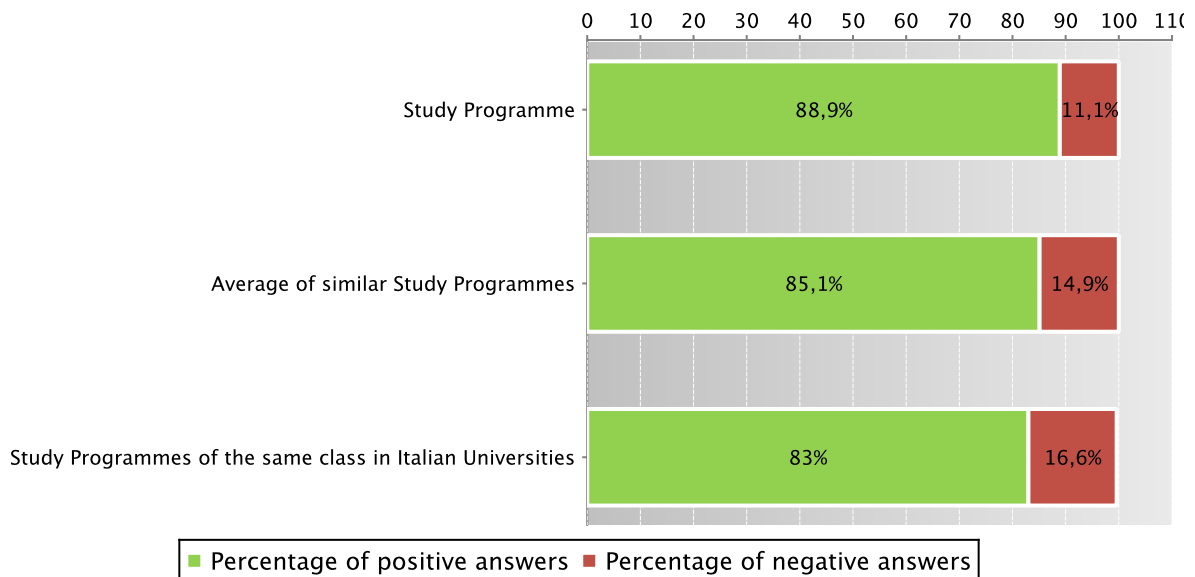
The **graph** shows the percentage of graduates (AlmaLaurea survey) who responded positively to the question: “**Are you generally satisfied with the Study Programme**”.

In addition, the **table** shows the percentage of students who answered “Yes, to the same programme at the university” to the question “Would you register again to the university?”.

The Study Programme data is compared with the **average of similar Study Programmes (which belong to the same group)**, for the indicated years.

Graduates in 2012 who responded positively to the question: “Are you generally satisfied with this Study Programme?”

Data of the Study Programme D.M. 509/99 Architettura (code 0012)



| | | N. graduates | Completed Questionnaires | % of positive answers to the question: "Are you generally satisfied with this Study Programme?" | % of answers "yes to the same Programme in the same University" to the question "Would you register again to the University" |
|------|--|--------------|--------------------------|---|---|
| 2010 | Study Programme | 95 | 94 | 94,7% | 76,6% |
| | Average of similar Study Programmes | 101,5 | 99,5 | 87,9% | 68,3% |
| | Study Programmes of the same class in Italian Universities | 3814 | 3545 | 84,1% | 66,6% |
| 2011 | Study Programme | 102 | 99 | 99,0% | 84,8% |
| | Average of similar Study Programmes | 120,5 | 117,5 | 88,5% | 73,2% |
| | Study Programmes of the same class in Italian Universities | 4395 | 4194 | 83,9% | 64,9% |
| 2012 | Study Programme | 82 | 81 | 88,9% | 69,1% |
| | Average of similar Study Programmes | 99 | 97,5 | 85,1% | 61,5% |
| | Study Programmes of the same class in Italian Universities | 3853 | 3633 | 83,0% | 59,6% |

Symbols:

(*) The opinions of the Study Programmes with less than 5 graduates are not shown.

Further information on [Graduates' Profile Report](#).

Go back to [D.3.1. Opinion of graduates](#)

D.5.3.2 ADDITIONAL DATA ON OPINIONS OF STUDENTS

D.5.3.2.1. OPINION OF ATTENDING STUDENTS

Data of opinion of attending students of the last three academic years are shown in paragraph [D.3.2.1](#).

D.5.4. ENTRY INTO THE WORLD OF WORK

Employment situation of graduates of the Study Programme.

Tables and graphs provide information on the employment situation of graduates one year after graduating.

D.5.4.1. EMPLOYMENT SITUATION

The paragraph shows the employment situation of graduates one year after graduating.

The data is taken from the [AlmaLaurea](#) reports on the employment situation of graduates.

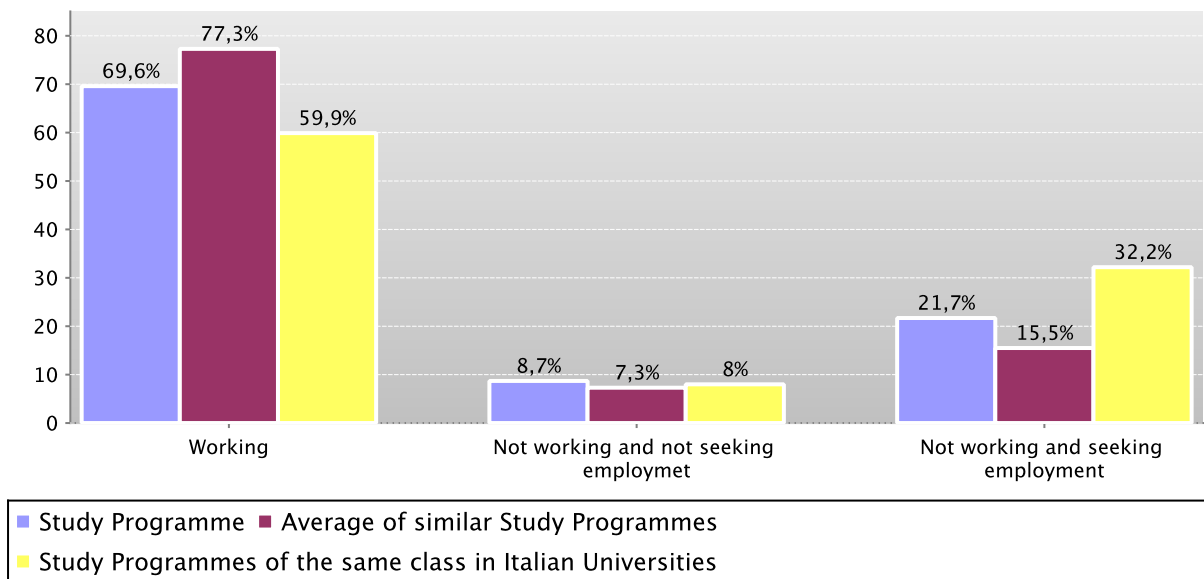
The **graph** shows who is working, who is not working and is not seeking employment, who is not working but is seeking employment.

In addition, the **table** shows the number of graduates interviewed, the number involved in internships and traineeships and the appropriateness of their degree to the job.

The Study Programme data is compared with the [average of similar Study Programmes \(which belong to the same group\)](#) and the average of Study Programmes of the same [class](#) of other Italian universities for the graduates of the indicated years.

Employment situation of graduates in 2011 one year after graduating

Data of the Study Programme D.M. 509/99 Architecture (code 0012)



| | | N. graduates interviewed | Employment situation (1) | | | Not working, not seeking employment, but following a university programme/traineeship (2) | Degree's appropriateness for the job (referred to the graduates who just work) (3) | |
|----------------------|--|--------------------------|--------------------------|--|------------------------------------|---|--|-----------------|
| | | | Working | Not working and not seeking employment | Not working and seeking employment | | Effective / very effective | Quite effective |
| Graduation Year 2009 | Study Programme | 61 | 72,1% | 6,6% | 21,3% | 1,6% | 69,8% | 18,6% |
| | Average of similar Study Programmes | 81,5 | 77,9% | 6,1% | 16,0% | 1,8% | 78,4% | 14,4% |
| | Study Programmes of the same class in Italian Universities | 2783 | 64,9% | 9,6% | 25,5% | 4,0% | 72,6% | 20,6% |
| Graduation Year 2010 | Study Programme | 87 | 75,9% | 6,9% | 17,2% | 3,4% | 69,2% | 21,5% |
| | Average of similar Study Programmes | 94 | 75,5% | 6,4% | 18,1% | 4,3% | 71,4% | 18,6% |
| | Study Programmes of the same class in Italian Universities | 3434 | 61,2% | 8,9% | 29,9% | 3,3% | 72,7% | 19,6% |
| Graduation Year 2011 | Study Programme | 92 | 69,6% | 8,7% | 21,7% | 2,2% | 74,2% | 17,7% |
| | Average of similar Study Programmes | 110 | 77,3% | 7,3% | 15,5% | 2,7% | 75,4% | 16,2% |
| | Study Programmes of the same class in Italian Universities | 3851 | 59,9% | 8,0% | 32,2% | 2,9% | 67,7% | 20,8% |

Symbols:

(*) The opinions of the Study Programmes with less than 5 graduates are not shown.

Notes on the AlmaLaurea report on the employment situation of graduates

(1) "Employment situation": the definition includes the number of employed graduates who declaring to carry out a paid work activity, provided that is not training activity (internship, traineeship, PhD degrees, specialization schools).

(2) "Number of those who do not work, who are not seeking employment but who are following a university programme/traineeship": the definition includes those who are enrolled in traineeships, PhD degrees, specialisation schools, Italian "master universitari" (first and second level). The presentation of this data complies with article 2 of D.M. 544 of 31st October 2007, as later provided for in Management Decree no. 61 of 10th June 2008 (transparency requirements).

(3) The evaluation of the appropriateness of the degree is obtained by a combination of the requirement of the relative qualification for the job held and the level of usage of the skills learned at university.

Further information on [Graduates' Employment report](#).

Go back to [D.4.1. Employment situation](#)

E. FIND OUT MORE: THE QUALITY OF YOUR STUDY PROGRAMME

The University of Bologna has identified its objectives as the *personal, cultural and professional growth of students and the improvement of the quality of learning, also in relation to the needs of society* (Strategic Plan 2010-2013).

Students, employers and society as a whole, have the right to effective learning for individual and intellectual growth, to develop critical sense and to prepare for the world of work.

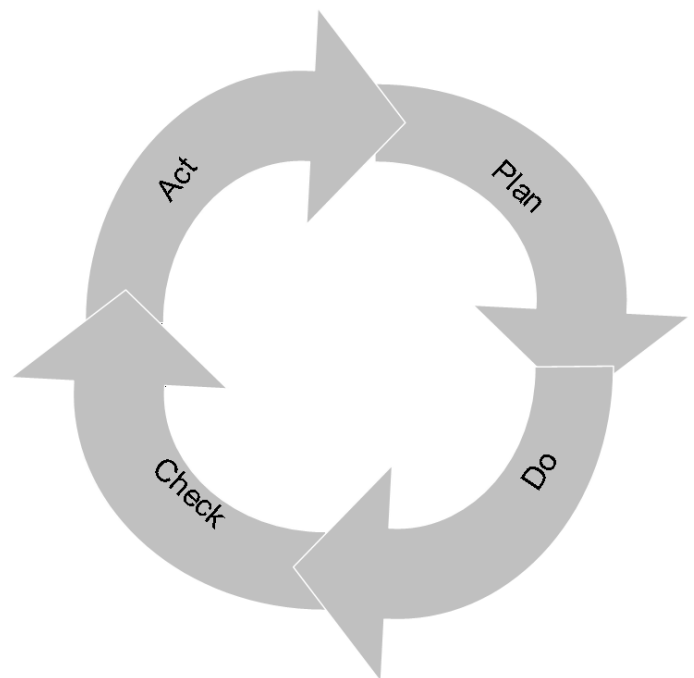
In the Statute and the Strategic Plan 2010-2013 the University of Bologna acknowledges its responsibility in guaranteeing the quality of its study programmes, and for this purpose adopts an "internal quality assurance system".

The Internal Quality Assurance system

The internal quality assurance system is a set of processes and responsibilities adopted to guarantee the quality of Study Programmes at the University of Bologna.

The guarantee of the quality of a Study Programme is the correspondence of the results achieved with the set objectives, in the following phases:

- Plan: defining the objectives
- Do: implementing the planned actions
- Check: checking that the objectives have been achieved
- Act: planning improvement action



This path responds to the expectations of students, guides teaching behaviour and provides indicators for the assessment of results. Self-assessment is based on the analysis of significant data (for example, the number of students graduating in line with the exam schedule, students' opinions and the employment rates of graduates) and highlights strengths and weaknesses in order to reflect on the achieved results, critically consider one's own working methods and take steps for the continual improvement of the Programme. This path involves all educational stakeholders, including students, in order to make use of the contributions of everyone with first-hand knowledge of the Study Programme. Improvement is therefore a day to day development, concerning all aspects of teaching: from the lesson timetable to the publication of on-line programmes, from classroom management to exam methods, and the actual design of the Programme.

This is what happens in each phase:

- **Planning:** the Study Programme is the result of a proposal from the teaching structures and approved by the Academic Bodies.
- **Management:** Schools, Departments and Study Programmes manage the activities required to ensure teaching. The activities are organised as follows:

| What we do | Who does what | | | | |
|---|---------------|-----------------|---------|-------------|----------------------------------|
| | Professors | Study Programme | Schools | Departments | General Administration |
| Teaching calendar, lessons programme and exam schedules | | | x | | |
| Management of financial resources | | | x | x | |
| Classroom teaching | x | | | | |
| Management of classrooms and laboratories | | | x | x | |
| Libraries and study rooms | | | x | x | |
| Approval of individual study plans | | x | | | |
| Communication and information | | x | x | | Academic Affairs Division |
| Guidance service | | x | x | | Academic Affairs Division |
| Internships | | x | x | | Academic Affairs Division |
| Administrative services: Student Administration Office | | | | | Academic Affairs Division |
| Administration services: Degree programme office | | | x | | Academic Affairs Division |
| Study grants and loans ad honorem | | | | | Academic Affairs Division |
| Student mobility: university subsidies and programmes | | | | | International Relations Division |
| Mobility: study grants for dissertations abroad | | | x | | |
| Mobility: authorisations and recognitions | | x | | | |
| Other students support services | | x | x | | x |

- **Internal assessment:** every Study Programme periodically assesses its own results, evaluating, for example, the number of enrolled students, the number of withdrawing students, student opinions etc.; in this way, the strengths and weaknesses, as well as any implemented improvement actions, are highlighted. This phase is organised as follows:

| What we do | Who does what |
|---|---|
| <p>Definition, gathering and publication of evaluation data According to the general guidelines of the University and national and international standards, are defined the tools through which should be evaluated the results (indicators). The survey data to be evaluate are published every year on the Report of the Study Program.</p> | <p>Academic Bodies</p> |
| <p>Self-Assessment The Schools and Study Programmes assess the effectiveness of the previously adopted solutions, analyse the progress of their learning activities and draw up proposals for improvement.</p> | <p>Schools and Study Programmes</p> |
| <p>Internal audit</p> <p>The results of the self-assessment process are reviewed in the following phases:</p> <ul style="list-style-type: none"> • Analysis: the University Quality Manager analyses the review documents, considering the ability to identify problems, propose solutions and the overall development of the internal quality assurance system. • Review: The observations on the results obtained and the good practices adopted are examined together with the persons in charge of the Schools and Study Programmes in meetings organised by scientific-disciplinary field. The persons in charge receive the observations and inputs on the areas for development and the actions to be adopted in future to improve results. • Sharing: the conclusions of the review activities are submitted to the Academic Bodies and the University Evaluation Board. | <p>Quality Manager</p> <p>Vice Rector for Teaching and Education</p> <p>Academic Bodies</p> |
| <ul style="list-style-type: none"> • Improvement: on the basis of the results of the internal audit, the Schools and Study Programmes plan improvement activities, to ensure that the Study Programmes increasingly respond to the needs of society. The cycle then starts over again, with the definition of actions to be implemented, the results of which are in turn verified, in a continuous path that guarantees the quality of education. | |

F. GLOSSARY TERMS

Additional Learning Requirements

Students enrolling in the first year of a first cycle or single cycle degree and who, following the results of the entrance exams established for each study programme, do not possess the knowledge required for access to the programme, are assigned additional learning requirements (OFA).

The OFA are fulfilled by passing an assessment test defined by the programme.

The non-fulfilment of the requirements by the date set by the Academic Bodies and published on the University Portal will lead to the re-enrolment in the first year of the programme.

AlmaLaurea

AlmaLaurea is an innovative in-line database service of graduates' curriculum vitae (1,620,000 CVs, from 53 Italian universities as of 05/07/2012), which offers a link between graduates, universities and businesses.

Created in 1994 on the initiative of the Statistical Observatory of the University of Bologna, managed by a consortium of Italian universities with the support of the Ministry of Education, University and Research, the purpose AlmaLaurea is to act as a point of contact between businesses and graduates, a reference within universities for anyone (students, businesses, etc...) working in the field of university studies, employment and the condition of young people at different levels.

Average of similar study programmes (belonging to the same group)

Average of the Study Programmes (which belong to the subject group)

Calculated average which refers to all study programmes of the same cycle which belong to the subject group.

There are four groups, composed as follows:

- **BIOMEDICAL group:** Study Programmes of the Schools of Pharmacy, Biotechnology and Sport Science; Medicine; Agriculture and Veterinary Medicine
- **SCIENTIFIC-TECHNOLOGICAL group:** Study Programmes of the Schools of Engineering and Architecture; Sciences
- **SOCIAL SCIENCES group:** Study Programmes of the Schools of Economics, Management, and Statistics; Law, Political Sciences
- **HUMANITIES group:** Study Programmes of the Schools of Arts, Humanities, and Cultural Heritage; Foreign Languages and Literatures, Interpreting and Translation; Psychology and Education

CFU University Learning Credits

University Learning Credits (CFU) were introduced under Italian Ministerial Decree no. 509/99 to comply with European legislation, and are a measurement of the volume of learning, including individual study, required of students; generally 1 CFU corresponds to 25 hours of a student's "overall learning effort".

Class

Degree classes group together study programmes of the same level and with the same key learning outcomes and available learning activities for a given number of credits and in sectors which are identified as indispensable. The features of the classes are set nationally, by Ministerial Decree, and are therefore common to all universities.

Cohort

Cohort refers to a group of students enrolled in the same academic year.

Enrolment status

In terms of enrolment, students may be:

- **Regularly enrolled:** students enrolled for as many or fewer years than the legal duration of the study programme, who do not fall into any of the following categories;
- **Not aligned with the exam schedule:** students who, without having graduated, have enrolled in all the years of the study programme and which, for programmes with compulsory attendance, have obtained all attendance certificates;
- **Repeating:** students re-enrolling in the same year of a programme again. Starting from academic year 2009-2010, students who have not fulfilled the assigned additional learning requirements within the deadline have to enrol in the 1st year as repeating students.

Entrance exam

Enrolment in a study programme may be free access or restricted access.

For all programmes with restricted access, candidates are required to sit an entrance exam and there are a limited number of places available. The entrance exam is a test which is used to draw up a graded list of candidates; students may enrol in the programme according to their place in the list. The methods of managing the call for applications and the list of candidates, including the methods for filling any unclaimed places, may vary from year to year. The test may be specific to a Degree Programme or may be part of a single exam covering several programmes from the same university or from other universities (during the registration the students should indicate their first choice).

The following definitions apply:

Available places = the number of places laid down in the call for applications to the Study Programme, or determined by subsequent legal provisions; these exclude any additional places reserved according to special provisions of the programme (e.g. for international study programmes, they do not include places for foreign students selected from other universities; for all programmes with restricted access regulated nationally, these do not include the places reserved for transferring students).

Number of candidates for the exam = number of students registered for the exam indicating the study programme as their first choice;

Number of participants in the exam = number of students participating in the exam indicating the study programme as their first choice;

Number of participants in the exam for every available place = number of students participating in the exam who indicated the study programme as their first choice as a ratio of the number of places available on the programme.

First year enrolments

This includes all students enrolled in the first year, including those joining the study programme in its first year through transferrals, as well as those enrolled in the first year but not for the first time (e.g. repeating students).

New Careers

Students who start a new university career (excluding transfers) from year one in a second cycle programme.

Passages and transfers

Passage: when a student applies to move to a different study programme from the one enrolled in the previous year, within the same university.

Transfer: when a student transfers from a study programme in one university to any programme in another university.

Registered students

Students who begin a career in the Italian University System for the first time and who enrol in the first year (i.e. for whom no previous university careers are recorded) of a First Cycle (L509, L) or Single Cycle programme (LSCU, LMCU)

Statistical Observatory of the University of Bologna

The Statistical Observatory was founded in 1997 in order to “provide the university governing bodies with a reliable and timely documentary and monitoring database aiming to promote decision-making processes and planning, particularly of learning activities and other services targeting the student population” (art.1 of the Founding and Operational Regulation). Following the disabling of the Statistical Observatory, as resolved by the Board of Governors on 14 December 2010, from the second semester of academic year 2010-11 the survey and subsequently analysis of the attending students opinion is cared for the University of Bologna by Academic Affairs Division - Quality Assurance Department and Control and Finance Division - Support Planning and Evaluation Department. The overall results and the methods of collection and analysis are described in the document published online on the [Statistical Observatory of the University of Bologna](#).

University DataWarehouse

In information service for the managers of the University of Bologna organisational departments which gathers, integrates and reorganises data from various sources and makes it available for analysis and evaluation for the purposes of planning and decision-making.

Withdrawal

Suspension of studies by students who do not register in the next academic year, or who drop out from the degree programme.