





School of Agriculture and Veterinary Medicine
LAUREA MAGISTRALE (SECOND CYCLE
DEGREE/TWO YEAR MASTER - 120
ECTS) IN AGRICULTURAL SCIENCES
AND TECHNOLOGIES A.Y. 2013/2014

Programme Director Prof. Giorgio Prosdocimi Gianquinto

REPORT

Study Programme Report
Agricultural Sciences and Technologies
Programme ex D.M. 270/04 - Code 8530 - Class LM-69
School of Agriculture and Veterinary Medicine
Programme Director Prof. Giorgio Prosdocimi Gianquinto

Created in collaboration with Teaching and Learning Administrative Area (AFORM - Area della Formazione) - Quality Assurance Unit

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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.

The 2nd cycle degree programme in "Agricultural Sciences and Technologies" aims to produce professionals specialising in the sustainable management and protection of agricultural crops and vegetable produce also during post-harvest handling. It falls within the context of those driving forces which lead the change in agricultural institutions, liberalisation, environmental awareness and continuously evolving innovative technologies. The course has a common programme during the first year and two separate curricula in the second year. The first joint year covers subjects relating to environmental agronomy, orchard management, food processing and plant biochemistry. Studies will cover genetic improvement, plant pathologies, entomology, pest control and the management of spontaneous flora, relative to environmental (climate, soil) as well as economic factors.

According to the knowledge acquired during the first year, the students may carry studies further to become qualified in some of the aforementioned fields, by selecting one of the two curricula proposed in the second year, which cover: A. Plant production science; B: Plant medicine. In particular curriculum A aims to develop skills in the qualitative and quantitative improvement of vegetable crops, the protection of environmental resources through the study of applied physiology, using innovative technologies in the field of herbaceous crops, fruit, vegetable and flower crops, fruit and wine crops.

Curriculum B aims to understand and apply innovative technologies in the protection of agricultural crops as well as the post-harvest conservation and handling.

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 UNDERSTANDING:

Graduates:

- will have a good command of the scientific tools which allow them to identify and assess current global environmental problems;
- will have an in-depth knowledge of the innovative technologies used in the new "Farming System";
- will have an advanced knowledge of herbaceous and arboreal crops, protection and production techniques in different environments, considering economic, geographic, climatic and social factors;
- will have an in-depth knowledge of the methodologies required in decision-making concerning territorial usage from both an economic and an environmental-agronomic point of view;
- will possess theoretical and practical knowledge of crop and spontaneous plant physiology and the production of both plant and fruit tree crops.

The knowledge and understanding are achieved through participation in lectures, practical exercises, seminars, guided self-study and autonomous individual study in the different fields of learning.

Assessment of the achievement of the learning outcomes shall be mainly through written and oral exams, tests and oral presentations supervised by the professor.

ABILITY TO APPLY KNOWLEDGE AND UNDERSTANDING:

Graduates

- will have the ability to identify environmental criticalities and design environmentally sustainable solutions in the interests of fruit and vegetable production;
- will have a command of the practical tools and methodologies for integrated production system analysis;
- will have the practical and technical skills and the in-depth knowledge to evaluate environmental needs (climate, soil, water) of crops to be included in the cropping system;
- will have an overall and in-depth knowledge of farming that will allow them to intervene in the design and sustainable management of the agricultural use of the territory.

The achievement of the ability to apply this knowledge and understanding will be accomplished through the critical study of texts proposed for self-study, stimulated by classroom activities, the research of case studies and applications presented by the professors,

calculations and practical laboratory work, computer study, field work, bibliographic research, individual and/or group projects related to the core or supplementary learning activities included in the programme, as well as through the preparation of the final examination. The tests, written and oral exams, reports, practical work and problem solving activities imply the execution of specific tasks which aim to demonstrate the student's command of tools, methods and critical autonomy.

JUDGEMENT SKILLS:

Graduates:

- will have the ability to autonomously judge the quality and effectiveness of the obtained results, through the appropriate use of operational techniques and instruments based on objective data, supported by solid experience in the field of statistics and GIS (geographic information systems);
- will have the ability to autonomously evaluate the results of their work through to the application and promotion of their design work and projects by public administrations and private businesses.

Judgement skills are developed in particular through practical exercises, supervised seminars and the preparation of papers as part of the activities assigned by the supervising professor in preparation of the final dissertation.

The acquisition of judgement skills is assessed through the evaluation of the learning activities followed during the study programme and the evaluation of the students' ability to work autonomously as well as in groups during the activities assigned in preparation of the final examination.

COMMUNICATION SKILLS:

Graduates:

- will be able to transfer the results obtained during their study activities through printed or electronic reports, geo-referenced databases, cartography and statistical data reports;
- will have the ability to communicate the contents of their work through the production of computer presentations and/or the production of reports for scientific and dissemination purposes, also in the English language;
- will be able to communicate with other professional groups, in particular with chemists, physicists, botanists, hydraulic and energy engineers, and will be able to disseminate their knowledge to others who are not experts in the field using an appropriate language and appropriate teaching tools.

Written and oral communication skills are developed in particular during seminars, practical exercises and learning activities which also require the production of reports and written documents as well as their oral presentation.

The acquisition of the above communication skills will also be assessed and evaluated through the production and presentation of the final dissertation.

LEARNING SKILLS:

Graduates:

- will have the ability to keep abreast of the methods, techniques, tools and regulations concerning their profession through the consultation of appropriate databases;
- will be able to autonomously consult regulatory sources and retrieve information on the introduction of new technologies, research and monitoring methods in the sector.

Learning skills are acquired throughout the study period, particularly concerning self-study, the production of individual projects and activities implemented in preparation of the final dissertation and examination.

Learning skills are evaluated through continuous assessment during the learning activities which require the presentation of autonomously researched data, the preparation of projects and the evaluation of the self-learning skills developed also during the activities in preparation of the final examination, with particular attention to methodological rigour.

During the study programme, the division of the study hours allows the students to assess and continuously improve their own learning skills. The paper prepared for the final examination also has a similar aim, contributing to the achievement of these skills, where students are required to measure themselves and understand new information which is not necessarily provided by the supervising professor.

A.4. CAREER OPPORTUNITIES

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

Graduates may fill the following professional roles and relative functions in the listed fields of employment:

- Manager of a farming business, with specific competencies in the field of crop production and protection both in the field and post-
- Specialist agronomist in the management of agro-industrial businesses and/or plant protection expert

FUNCTIONS:

- management position in public authorities and private businesses in the agricultural sector and as a freelance/consultant, dealing with the technical and economic aspects of the agricultural sector;
- management of organisations dealing with the quality control of agricultural products;

- inspector of the national phyto-sanitary services, verifying the application of the phyto-sanitary legislation in the territory, carrying out phyto-sanitary controls and supervision, carrying out systematic and periodical investigations;
- consulting for national or international bodies for assistance programmes for developing countries;
- research activities on behalf of public bodies (Universities, CNR, ENEA etc.) and private businesses;
- agricultural specialist for credit and/or insurance institutes dealing with banking and insurance activities.

Career opportunities

as a consultant/freelance or employee of:

- Public authorities (Ministries, regional and provincial departments, professional and trade associations, regional phyto-sanitary service)
- Private companies working in the construction of agricultural machinery, cement and agrochemical industries
- Producers' associations
- Laboratories carrying out physical, chemical and biological analyses
- National and international governmental and non-governmental associations working in the agricultural sector for aid programmes in transition and developing countries (FAO; WORLD BANK, etc.)

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 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 (in Italian). Information updated to 28 May 2013 (in Italian).

Permanent teaching staff:

Benni, Stefano Marini, Mario Tartarini, Stefano Catizone, Pietro Bertaccini, Assunta Corelli Grappadelli, Luca Martini, Antonio Tassinari, Patrizia Costa, Guglielmo Bertazzoli, Aldo Masia, Andrea Torreggiani, Daniele Bertolini, Paolo Dinelli, Giovanni Monti, Andrea Ventura, Francesca Bittelli, Marco Landi, Pierangelo Noli, Enrico Vicari, Alberto Bosco, Marco Magnani, Federico Prosdocimi Gianquinto, Zagnoli, Giorgio

Brunelli, Agostino Maini, Stefano Giorgio
Burgio, Giovanni Mari, Marta Riponi, Claudio
Rondelli, Valda

Contract teaching staff:

Spisni, Andrea

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 links take you to the reference Work Placement and International Relations office for the Study Programme, where available.

• 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 OFA, 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

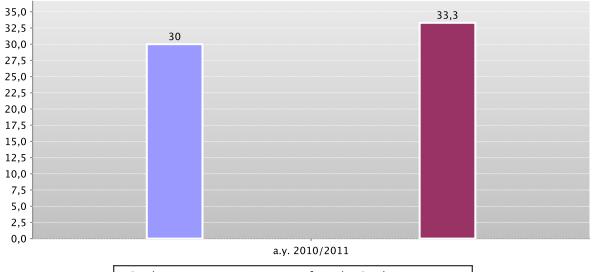
Characteristics of incoming students at the beginning of their study. Tables and graphs provide information on number of enrolled students (new careers), focusing on the characteristics of students and results of any entrance tests.

D.1.1. ENROLMENTS

The **graph** and the **table** show the number of new careers of the Study Programme compared with the average of similar Study Programmes (which belong to the same group), for the indicated academic years.

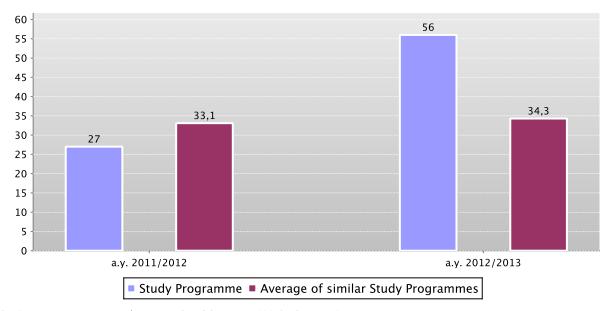
New careers

Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 0878)



Study Programme Average of similar Study Programmes

Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 8530)



Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 0878)

	a.y. 201	0/2011
	New careers	Total N. enrolled students
Study Programme	30	69
Average of similar Study Programmes	33,3	39,7

Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 8530)

	a.y. 201	1/2012	a.y. 201	2/2013
	New careers	Total N. enrolled students	New careers	Total N. enrolled students
Study Programme	27	77	56	106
Average of similar Study Programmes	33,1	43,4	34,3	49,1

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

D.1.2.1. CANDIDATES REGISTERED FOR THE ENTRANCE EXAM

In academic year 2012/2013 access to this Study Programme was not restricted.

D.1.2.2. INCOMING STUDENTS

Geographic origin, type of 1st cycle degree, age and gender of students.

The data shows a homogeneus 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 1st cycle degree 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.

				Geographic origin					Ger	nder		age age of eer stude	
		New careers	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	Not available	M	F	22 or less	23 - 24	25 or more
	Study Programme	30	20,0%	23,3%	16,7%	36,7%	3,3%		80,0%	20,0%	23,3%	46,7%	30,0%
Students 2010/2011	Average of similar Study Programmes	33,3	22,0%	15,8%	8,0%	49,1%	4,8%	0,2%	43,5%	56,5%	24,2%	46,3%	29,5%

		First Cycle Degree: University of previous studies				First Cycle Degree: more frequent class			First Cycle Degree: grade				
		University of Bologna	Other Italian Universities	Foreign University	Other not defined	Class code and name	% of students	First Cycle Degree grade between 66 and 90	First Cycle Degree grade between 91 and 100	First Cycle Degree grade between 101 and 105	First Cycle Degree grade between 106 and 110	First Cycle Degree grade 110 and honors	First Cycle Degree grade not available
Students	Study Programme	70,0%			30,0%	20 SCIENZE E TECNOLOGIE AGRARIE, AGROALIMENTARI E FORESTALI	63,3%		20,0%	16,7%	26,7%	6,7%	30,0%
2010/2011	Average of similar Study Programmes 64,1% 25,1% 3,4%		7,4%	33 SCIENZE DELLE ATTIVITA MOTORIE E SPORTIVE	20,8%	7,4%	29,7%	24,2%	17,6%	12,6%	8,4%		

Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 8530)

			Geographic origin					Ger	nder	I	age age of	
		New careers	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	22 or less	23 - 24	25 or more
	Study Programme	27	18,5%		22,2%	55,6%	3,7%	66,7%	33,3%	14,8%	48,1%	37,0%
Students 2011/2012	Average of similar Study Programmes	33,1	21,4%	9,9%	12,7%	51,2%	4,8%	40,9%	59,1%	29,2%	45,4%	25,4%
	Study Programme	56	23,2%	21,4%	19,6%	35,7%		73,2%	26,8%	44,6%	46,4%	8,9%
Students 2012/2013	Average of similar Study Programmes	34,3	18,4%	13,6%	11,3%	53,4%	3,3%	45,8%	54,2%	28,2%	47,4%	24,5%

		First Cycle Degree: University of previous studies					First Cycle Degree: more frequent class			First Cycle Degree: grade					
		University of Bologna	Other Italian Universities	Foreign University	Other not defined	Class code and name	% of students	First Cycle Degree grade between 66 and 90	First Cycle Degree grade between 91 and 100	First Cycle Degree grade between 101 and 105	First Cycle Degree grade between 106 and 110	First Cycle Degree grade 110 and honors	First Cycle Degree grade not available		
Students	Study Programme	55,6%	18,5%		25,9%	20 SCIENZE E TECNOLOGIE AGRARIE, AGROALIMENTARI E FORESTALI	44,4%	3,7%	33,3%	18,5%	14,8%	3,7%	25,9%		
2011/2012 Average of similar Study Programmes		53,6%	37,7%	0,8%	7,9%	12 SCIENZE BIOLOGICHE	15,9%	7,7%	33,7%	19,2%	18,1%	13,1%	8,3%		
Students	Study Programme	64,3%	17,9%		17,9%	L-25 SCIENZE E TECNOLOGIE AGRARIE E FORESTALI	73,2%	3,6%	26,8%	21,4%	19,6%	10,7%	17,9%		
2012/2013	Average of similar Study Programmes	50,5%	24,7%	0,2%	24,7%	0 SENZA CLASSE	26,2%	5,0%	25,6%	19,6%	15,0%	10,1%	24,7%		

D.2. REGULARITY OF STUDIES

Insight into the regularity with which the students pass their exams. The graphs and the tables provide information on the number of students who leave the programme between the first and second 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

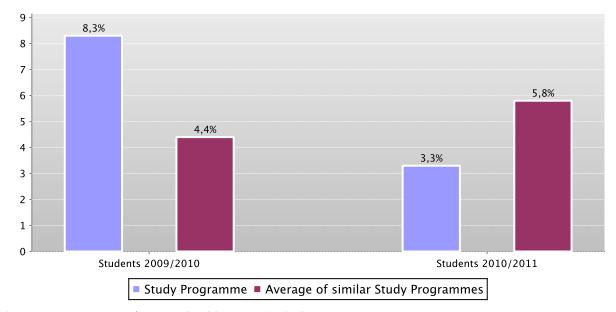
Here the number of students leaving the Study Programme is shown.

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).

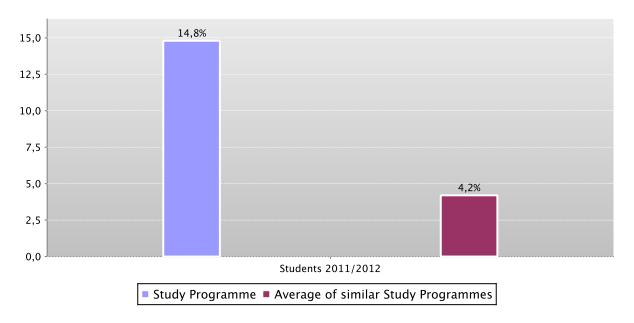
The **table** shows the registered students (new careers), the percentage of students leaving the programme who pass to a different Study Programme in the same university, transfer to another university or withdraw from studies as well as the enrolled repeating students and those enrolled in the second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

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

Percentage of withdrawals between years 1 and 2



Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 8530)



Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 0878)

		New careers	% withdrawals	% passages and transfers	% repeating students	Students enrolled in the second year
	Study Programme	24	8,3%	4,2%	0,0%	21
Students 2009/2010	Average of similar Study Programmes	27,5	4,4%	1,5%	0,0%	25,9
	Study Programme	30	3,3%	3,3%	0,0%	28
Students 2010/2011	Average of similar Study Programmes	33,3	5,8%	1,6%	0,0%	30,8

Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 8530)

		New careers	% withdrawals	% passages and transfers	% repeating students	Students enrolled in the second year
	Study Programme	27	14,8%	0,0%	0,0%	23
Students 2011/2012	Average of similar Study Programmes	33,1	4,2%	0,6%	0,4%	31,3

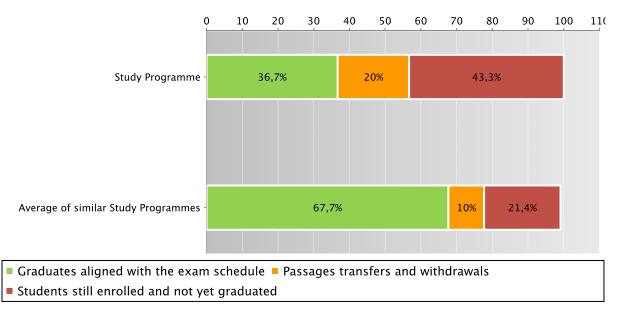
D.2.2. REGULAR GRADUATES

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 the registered students (new careers) 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 enrolled in the indicated accademic year.

Situation of students 2010/2011 at the end of regular duration of the study programme



Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 0878)

		New careers	Regular graduates		Passages transfers and withdrawals		enrolled	nts still and not duated
			N.	0/0	N.	%	N.	%
	Study Programme	27	9	33,3%	1	3,7%	17	63,0%
Students 2008/2009	Average of similar Study Programmes	31,3	21	67,1%	2,5	8,0%	7,8	24,9%
	Study Programme	24	9	37,5%	3	12,5%	12	50,0%
Students 2009/2010	Average of similar Study Programmes	27,5	18,7	68,2%	2,5	9,0%	6,2	22,6%
	Study Programme	30	11	36,7%	6	20,0%	13	43,3%
Students 2010/2011	Average of similar Study Programmes	33,3	22,5	67,7%	3,3	10,0%	7,1	21,4%

D.2.3. ADDITIONAL DATA ON REGULARITY OF STUDIES

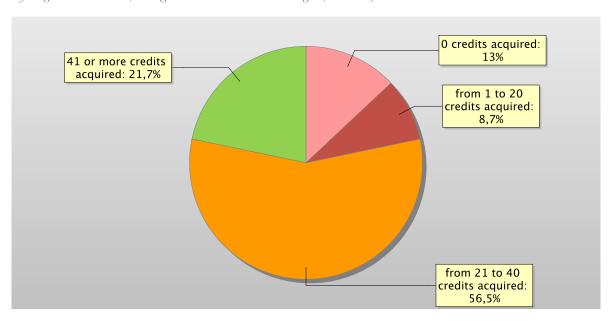
D.2.3.1. CREDITS OBTAINED BY STUDENTS IN THE 1ST YEAR

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 (wich 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*

Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 8530)



Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 0878)

				% studer	nts with *		
		Students enrolled in the 2nd year	0 credits acquired	from 1 to 20 credits acquired	from 21 to 40 credits acquired	41 or more credits acquired	Average credits per student
	Study Programme	21	14,3%	33,3%	38,1%	14,3%	23,7
Students 2009/2010	Average of similar Study Programmes	25,9	3,6%	14,2%	42,3%	39,9%	35,8
	Study Programme	28	10,7%	39,3%	35,7%	14,3%	23,6
Students 2010/2011	Average of similar Study Programmes	30,8	2,8%	18,8%	46,1%	32,3%	32,5

Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 8530)

9	0	0			'		
				% studer	nts with *		
		Students enrolled in the 2nd year	0 credits acquired	from 1 to 20 credits acquired	from 21 to 40 credits acquired	41 or more credits acquired	Average credits per student
	Study Programme	23	13,0%	8,7%	56,5%	21,7%	30,1
Students 2011/2012	Average of similar Study Programmes	31,3	1,7%	11,3%	46,4%	40,6%	37,1

^{*}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 subgroups, 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.

The data concerning previous programmes is given in a separate section.

Data of the Study Programmes D.M. 270/04 Scienze e tecnologie agrarie (code 0878), Scienze e tecnologie agrarie (code 8530)

	N. of exams passed	Average grade *
02575 ORTICOLTURA	1	
06362 FLORICOLTURA	4	
18459 PATOLOGIA DEI PRODOTTI E DELLE DERRATE	2	
29421 PROTEZIONE DELLE DERRATE (C.I.)	9	27,2
29953 AGRONOMIA AMBIENTALE, MALERBOLOGIA ED ELEMENTI DI METODOLOGIA SPERIMENTALE (C.I.)	2	
29965 TRASFORMAZIONE DEI PRODOTTI VEGETALI E BIOCHIMICA DEI METABOLITI SECONDARI (C.I.)	7	26
29978 MIGLIORAMENTO GENETICO DELLE COLTURE ERBACEE	27	27,3
29982 GESTIONE DEGLI ECOSISTEMI PRODUTTIVI ARBOREI (C.I.)	10	29,8
29996 AVVERSITÀ DELLE PIANTE (C.I.)	18	27
30021 TECNICHE AVANZATE APPLICATE ALLE PRODUZIONI FRUTTIVITICOLE (C.I.)	16	25,2
30037 ORTICOLTURA E FLORICOLTURA (C.I.)	11	29,5
30052 FISIOLOGIA E QUALITÀ DELLE PRODUZIONI ERBACEE ED ORTICOLE (C.I.)	13	28,2
30065 BIOTECNOLOGIE MICROBICHE AGRARIE (C.I.)	7	30

	N. of exams passed	Average grade *
30070 MONITORAGGIO E RAPPRESENTAZIONE DEL TERRITORIO AGRARIO (C.I.)	7	28,7
30074 CAPACITÀ D'USO E VULNERABILITÀ DEI SUOLI	1	
30075 DISEGNO E CAD PER LA PROGETTAZIONE	1	
30088 ECONOMIA E POLÍTICA DELLE PRODUZIONI VEGETALI	9	25,7
30100 DIFESA DELLE PIANTE DALLE MALATTIE (C.I.)	10	28,9
30104 LOTTA BIOLOGICA ED INTEGRATA ALLE FITOPATIE	1	
30108 DIFESA DELLE PIANTE DAGLI INSETTI (C.I.)	10	29,7
30120 DIAGNOSTICA MOLECOLARE ED EPIDEMIOLOGIA VEGETALE	9	29,1
32718 FRUTTICOLTURA DI PRECISIONE (C.I.)	13	27,2
34822 AGRONOMIA AMBIENTALE, MALERBOLOGIA E MECCANIZZAZIONE (C.I.)	8	27,1
34972 CLIMATOLOGIA, METODOLOGIA SPERIMENTALE E FISICA DEL TERRENO (C.I.)	11	28,8
66022 ECONOMIA E POLÍTICA DELLE PRODUZIONI VEGETALI (C.I)	19	26,5
66025 AGRONOMIA AMBIENTALE, MALERBOLOGIA, PRODUZIONE E CONTROLLO DELLE SEMENTI (C.I.)	12	28,8
66077 GESTIONE DEL FRUTTETO E MACCHINE PER LA PROTEZIONE DELLE COLTURE (C.I.)	16	29,6
67477 AGROCLIMATOLOGIA, METODOLOGIA SPERIMENTALE E FISICA DEL SUOLO (C.I.)	10	28,5

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

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.

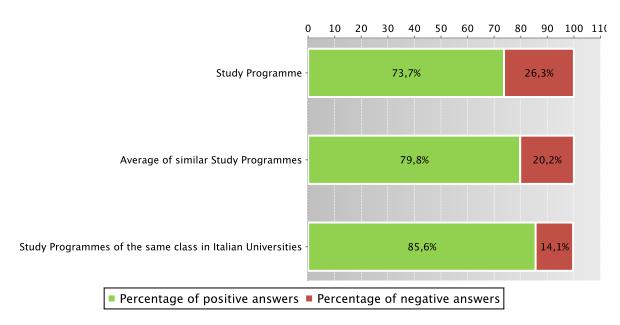
D.3.1. OPINION OF GRADUATES

The 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), and the average of Study Programmes of the same class of other Italian universities for the graduates of 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. 270/04 Scienze e tecnologie agrarie (code 0878)



Data of the Study Programme D.M. 270/04 Scienze e tecnologie agrarie (code 0878)

		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"
	Study Programme	3	3		
	Average of similar Study Programmes	14,4	12,7	83,6%	73,0%
2010	Study Programmes of the same class in Italian Universities	63	42	95,2%	88,1%
	Study Programme	12	12	100,0%	66,7%
	Average of similar Study Programmes	15	13,7	86,9%	76,5%
2011	Study Programmes of the same class in Italian Universities	188	174	89,7%	82,8%
	Study Programme	20	19	73,7%	68,4%
	Average of similar Study Programmes	17,8	16,2	79,8%	68,0%
2012	Study Programmes of the same class in Italian Universities	351	306	85,6%	75,8%

Symbols:

^(*) The opinions of the Study Programmes with less than 5 graduates are not shown. Further information on Graduates' Profile Report.

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.

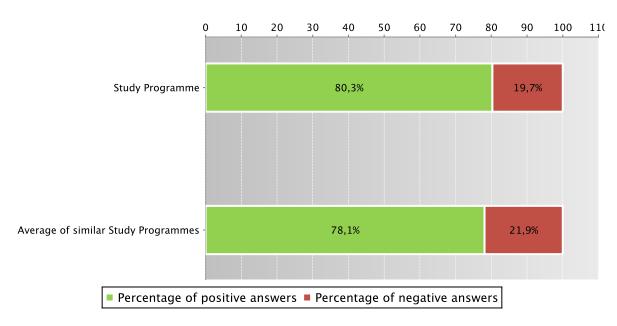
The Study Programme data is compared with the average of similar Study Programmes (which belong to the same group), for the indicated academic years.

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 opinions of students attending the course 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 Programmes D.M. 270/04 Scienze e tecnologie agrarie (code 0878), Scienze e tecnologie agrarie (code 8530) and of the Study Programme D.M. 509/99 Scienze dei sistemi agroindustriali (code 0351)



Data of the Study Programmes D.M. 270/04 Scienze e tecnologie agrarie (code 0878), Scienze e tecnologie agrarie (code 8530) and of the Study Programme D.M. 509/99 Scienze dei sistemi agroindustriali (code 0351)

		Number of completed questionnaires	% of positive answers concerning the general satisfaction with the course unit – Question 19
	Study Programme	314	77,7%
a.y. 2009/2010	Average of similar Study Programmes	363,8	80,8%
	Study Programme	321	86,2%
a.y. 2010/2011	Average of similar Study Programmes	353,3	77,7%
	Study Programme 291		80,3%
a.y. 2011/2012	Average of similar Study Programmes	405,3	78,1%

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

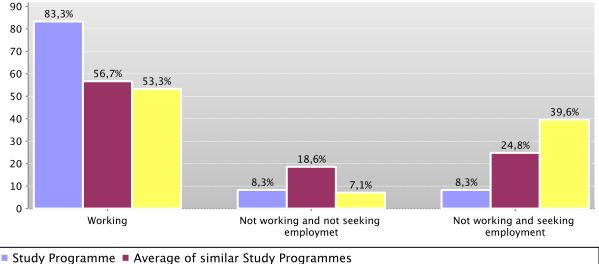
The paragraph shows the employment situation of graduates one year after graduating.

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



- Study Programmes of the same class in Italian Universities

Data of the Study Programme D.M. 270/04 Agricultural Sciences and Technologies (code 0878)

			Employ	ment situ:	ation (1)		Deg appropri for the (referred graduated just week	riateness ne job d to the tes who
		N. graduates interviewed	Working	Not working and not seeking employmet	Not working and seeking employment	Not working, not seeking employment, but following a university programme/trainceship (2)	Effective / very effective	Quite effective
	Study Programme	3						
Graduation Year	Average of similar Study Programmes	12,3	49,8%	24,7%	25,4%	16,3%	58,7%	19,6%
2010	Study Programmes of the same class in Italian Universities	40	75,0%	5,0%	20,0%		60,0%	40,0%
	Study Programme	12	83,3%	8,3%	8,3%		33,3%	55,6%
Graduation Year	Average of similar Study Programmes	13,5	56,7%	18,6%	24,8%	10,2%	49,7%	28,2%
2011	Study Programmes of the same class in Italian Universities	169	53,3%	7,1%	39,6%	5,9%	59,1%	26,1%

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.

See data of previous academic years - Study Programme D.M. 509/99 Agro-industrial Systems Sciences (code 0351) 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 study. Tables and graphs provide information on number of enrolled students (new careers), focusing on the characteristics of students.

D.5.1.1. ENROLMENTS

Data of enrolments 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, 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

Data of regular graduates of the last three academic years are shown in paragraph D.2.2.

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

Data of exams passed and average grade are shown in paragraph D.2.3.2.

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

Data of opinion of graduates are shown in paragraph D.3.1.

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.

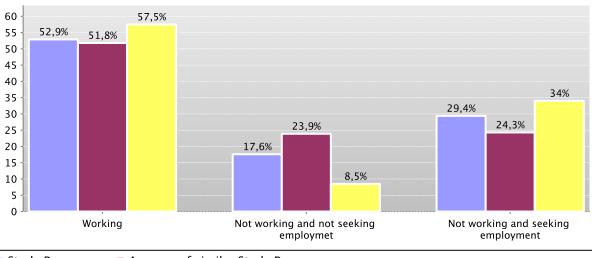
The data is taken from the AlmaLaurea reports on the employment situation of graduates.

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 2009 one year after graduating

Data of the Study Programme D.M. 509/99 Agro-industrial Systems Sciences (code 0351)



■ Study Programme ■ Average of similar Study Programmes

Study Programmes of the same class in Italian Universities

Data of the Study Programme D.M. 509/99 Agro-industrial Systems Sciences (code 0351)

			Employ	ment situa	ation (1)		Deg appropr for th (referred graduat just wo	iateness ae job d to the es who
		N. graduates interviewed	Working	Not working and not seeking employmet	Not working and seeking employment	Not working, not seeking employment, but following a university programme/traineeship (2)	Effective / very effective	Quite effective
	Study Programme	17	52,9%	17,6%	29,4%	5,9%	55,6%	44,4%
Graduation Year	Average of similar Study Programmes	15,6	51,8%	23,9%	24,3%	15,1%	55,4%	25,9%
2009	Study Programmes of the same class in Italian Universities	212	57,5%	8,5%	34,0%	5,2%	52,5%	30,3%

Symbols:

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

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

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.

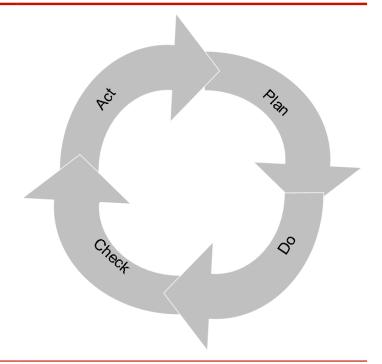
In the Statute and the Strategic Plan 2010-2013 the University of Bologna acknowledges its responsibility in guaranteeing the quality of its study programmes, and for this purpose adopts an "internal quality assurance system".

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					
	Professors	Study Programme	Schools	Departments	General Administration
Teaching calendar, lessons programme and exam schedules			X		
Management of financial resources			Х	X	
Classroom teaching	X				
Management of classrooms and laboratories			х	X	
Libraries and study rooms			X	X	
Approval of individual study plans		x			
Communication and information		X	Х		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			Х		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			Х		
Mobility: authorisations and recognitions		X			
Other students support services		Х	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:

Evaluation Board.

What we do	Who does what
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.	Academic Bodies
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.	Schools and Study Programmes
Internal audit	
The results of the self-assessment process are reviewed in the following phases:	Quality Manager
 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. 	Vice Rector for Teaching and Education Academic Bodies
• 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	

• 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.