



An
Bioch.
Biology
Biomedical
Chemical Eng.
Biotechnology s
Computer Enginee
Advertising and Public
Art History Environmental
Molecular Medicine Social
Nursing Law Linguistics Catala
Political and Administrative Scie
Literary Theory and Comparative Lit
Modern Language and Literature Biolo
Teaching in Early Childhood Education C
Industrial Relations Biomedical Sciences Ce
Romance Languages Psychology Chemical E.
Environmental Sciences English Studies Criminol
Advertising and Public Relations Statistics Tourism
Education Dentistry Arabic and Hebrew Studies Art Hi
Information and Documentation Molecular Medicine Class
Electronic Engineering and Telecommunications Geology H
Literary Theory and Comparative Literature Computer Enginee
Physical Activity and Sport Sciences Pharmacy Spanish Informat
Teaching in Primary Education Social and Cultural Anthropology Cla

THE UNIVERSITY OF BARCELONA

REPORT ON THE ACADEMIC YEAR 2008-2009

REPORT ON THE ACADEMIC YEAR 2008-2009
THE UNIVERSITY OF BARCELONA

Editorial Board:

General Secretary's Office, University of Barcelona

Dídac Ramírez Sarrió, Rector

Joaquim Coello Brufau, President of the Board of Trustees

© Universitat de Barcelona

Written by Information, Evaluation and Forecast (IAP)

Published by Publications and Editions of the University of Barcelona

Administrative support for publication:

Publicacions i Edicions de la Universitat de Barcelona

Adolf Florensa, s/n

08028 Barcelona

This document is under a Creative Commons Attribution-Noncommercial-No Derivative Works 3.0 Unported License. To see a copy of this license click here <http://creativecommons.org/licenses/by-nc-nd/3.0/legalcode>.



TABLE OF CONTENTS

FOREWORD FROM THE RECTOR	5
■ 1. A UNIVERSITY SPANNING THE CENTURIES AND SERVING THE COMMUNITY	7
Strategic vision of the University of Barcelona Summary of basic figures Territorial distribution of the UB: the campuses and the centres	
■ 2. A UNIVERSITY FOCUSED ON PEOPLE	19
Services for the university community Institutional and cultural activities Student services	
■ 3. A UNIVERSITY AT THE FOREFRONT OF EDUCATION	31
Academic courses offered Additional academic opportunities Services in support of teaching	
■ 4. A UNIVERSITY LEADER IN RESEARCH	45
Research Technology and knowledge transfer Third-cycle studies	
■ 5. A UNIVERSITY WITH INTERNATIONAL REACH	61
Academic offering International institutional activity Participation in international exchange programs and other programs Other actions in support of international mobility	

FOREWORD



Dídac Ramírez
Rector of the University of Barcelona

Welcome to the University of Barcelona.

As rector, it gives me great pleasure to introduce this report on the academic year 2008-2009 at the University of Barcelona. It will give you a strong sense of the number and range of our activities over the past year.

Since its foundation, this institution has carried on a thriving academic and scientific life, growing and evolving in response to the changes and events that have marked its more than five-hundred years of history.

Balancing tradition and modernity, we are proud of our unique identity as an urban university at the very heart of Barcelona and as a global leader in all fields of higher education: teaching, research, innovation and the transfer of knowledge.

During this past academic year, we have paved the way for the creation of 49 new bachelor's degrees, 130 master's degrees and 76 doctoral programs, all adapted to the European Higher Education Area. As a result, more than 90,000 undergraduate and postgraduate students are now pursuing their studies in our classrooms and through our online courses.

In the area of research, the University of Barcelona stands out as the only Spanish university to appear among the two-hundred best in the world, according to the Academic Ranking of World Universities known as the "Shanghai Rankings", and in the World University Rankings published by the Times Higher Education Supplement. In addition, UB researchers are regularly cited in the most prestigious scientific publications around the globe.

We have also continued our work to expand our services to the university community and broaden our institutional and cultural activities, and we have held two meetings of the Senate to address issues of vital importance, such as the European Higher Education Area and our aim of social responsibility.

In addition, we have put into a motion a program to modernize our technological tools and promote internationalization as a key engine for continuing innovation, strengthening our image and prestige.

I invite you to read this report at length. You will gain insights not only into the UB's current work, but also into our plans for the future in service to society.



1

A UNIVERSITY SPANNING THE CENTURIES AND SERVING THE COMMUNITY

Strategic vision of the University of Barcelona
Summary of basic figures
Territorial distribution of the UB: the campuses
and the centres



«My father was a student at the UB and has a lot of good things to say about it, like everybody else I've met who studied here. That's why I decided to enrol.»



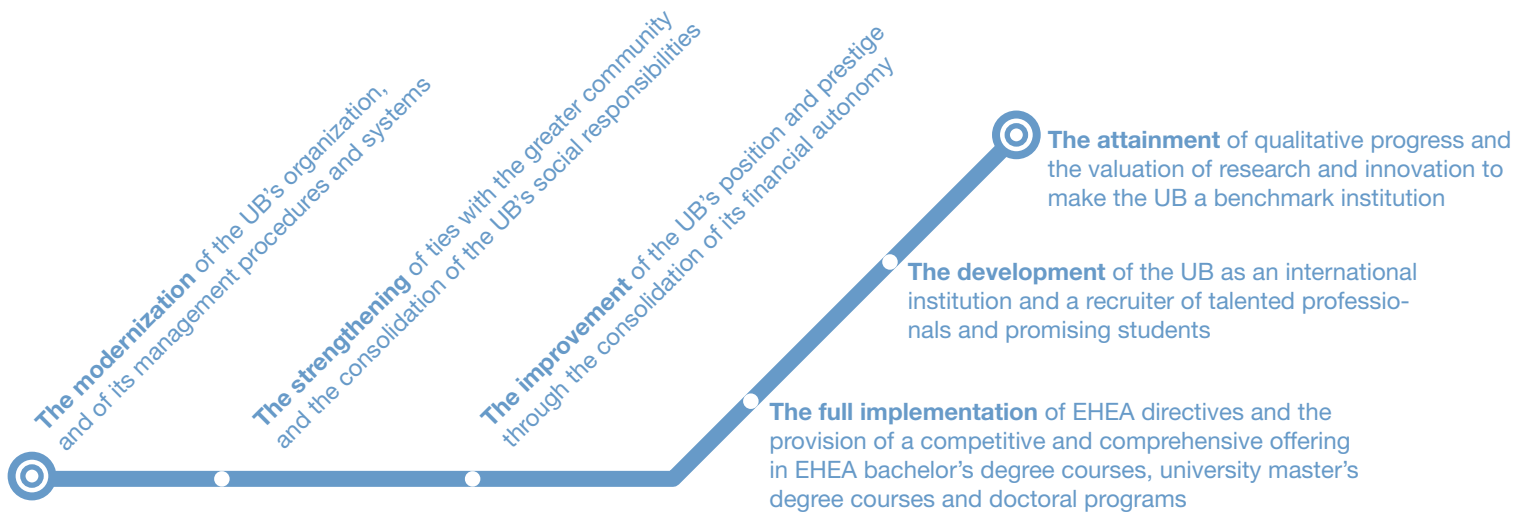
Pol Liró, Economics student



«I recommend the UB because of its history and tradition, its physical location right in the middle of Barcelona and the emblematic importance of its Historic Building. The fact that the UB hosts so many international students also makes studying here a particularly enriching experience.»

Yuki Kotake, architect and student at the UB School of Hispanic Studies

STRATEGIC VISION OF THE UNIVERSITY OF BARCELONA



SUMMARY OF BASIC FIGURES

Structure

Constructed surface area (sq m)	584,39
Centres (faculties and university schools)	19
UB-affiliated centres	5
Departments	106
UB-specific institutes and research centres	24
Participating institutes and research centres	13
Interuniversity institutes	2
Documentation centres	3
Observatories	9

Services

Library

Monograph collections	1,608,909
Periodical collections	49,749
Library loans made	688,373
Reading desks	6,221

UB Sports users	6,898
------------------------	-------

Accommodation in university halls of residence

UB centres	910
Associated centres	599

Course offerings

Courses offered:	76
Homologated courses in UB centres	67
UB-specific courses in UB centres	4
Homologated courses in UB-affiliated centres	54
Affiliated centre-specific courses	1
University master's degree courses	115
Doctoral programs*	68
Doctoral programs carrying quality awards	43
Postgraduate degree courses	326
University extension courses	56
Lifelong learning courses (IL3)	487

* 57 doctoral programs adapted to the EHEA.



UB faculties and schools

	1st and 2nd cycle						3rd cycle			Total professors and lecturers
	Undergraduate 1st- and 2nd-cycle degree courses	Incoming students	Total students	Degree holders	University master's degree courses ¹	Students in university master's degree courses ²	Postgraduate students ³	Doctoral students ⁴	Doctoral theses submitted (2207-2008)	
TOTAL UB	71	11,720	48,985	6,811	115	3,788	8,642	3,419	536	4,853
Biology	3	498	2,223	284	11	415	145	430	86	333
Chemistry	3	328	1,715	294	5	142	24	195	50	243
Dentistry	1	118	625	102	1	15	150	111	7	199
Economics and Business	9	2,368	11,020	1,198	11	280	659	181	22	572
Education	4	828	2,867	513	6	159	150	152	29	205
Fine Arts	1	405	1,917	268	5	204	162	188	9	174
Geography and History	4	874	3,521	434	8	503	158	327	45	247
Geology	2	97	555	59	3	37	55	76	10	101
Law	8	1,840	7,326	993	4	128	464	229	7	341
Library and Information Science	2	138	692	119	2	58	19	24	3	66
Mathematics	2	181	742	82	2	18	0	42	7	109
Medicine	1	248	1,495	205	6	334	852	434	125	597
Nursing	2	488	1,617	296	1	79	812	24	0	301
Pharmacy	3	541	2,440	296	8	280	104	378	54	332
Philology	15	707	2,661	361	8	309	122	163	15	304
Philosophy	1	239	994	111	6	135	47	144	10	67
Physics	2	195	943	122	11	236	0	152	29	216
Psychology	1	604	2,614	354	8	304	431	110	17	232
Teacher Training	7	1,023	3,018	720	6	152	19	59	11	214
women %	-	62.8	62.8	69.0	-	64.7	76.0	56.6	55.0	43.2

1. The total includes 3 university master's degree courses delivered in UB-affiliated centres.

2. The total does not include the 117 students in university master's degree courses delivered in UB-affiliated centres.

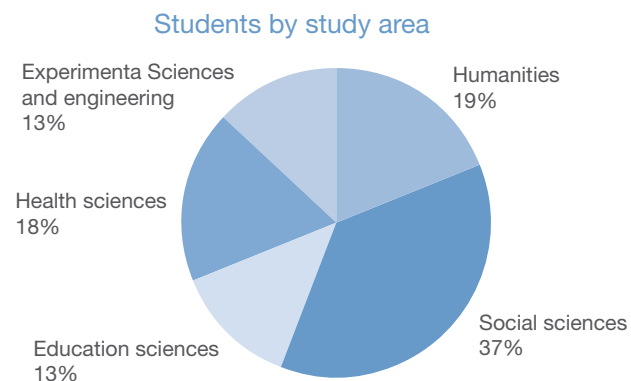
3. The total includes the students in UB-specific degree courses delivered by the Institute for Lifelong Learning (IL3) and the Institute of Education Sciences (ICE).

4. The total includes students who are completing their doctoral thesis.

Students at the UB

	2006-2007	2007-2008	2008-2009
Incoming students	11,825	11,347	11,720
First- and second-cycle students	50,563	49,213	48,985
Full-time equivalent students	37,282	36,334	36,890
Students in university master's degree courses (including students in affiliated centres)	960	2,503	3,905
Doctoral students (in two-year doctoral programs)	2,548	1,613	685
Students preparing doctoral theses	1,845	2,033	2,734
Postgraduate students	8,338	8,163	8,642
Students in university extension courses	1,317	1,164	1,400
Students in lifelong learning courses (IL3)	21,900	31,416	30,992
Students in affiliated centres	4,096	3,528	3,399
International students under exchange programs at the UB	1,824	1,923	1,748
UB students under exchange programs abroad	756	740	790
Non-curricular practicum students	2,249	1,840	1,848

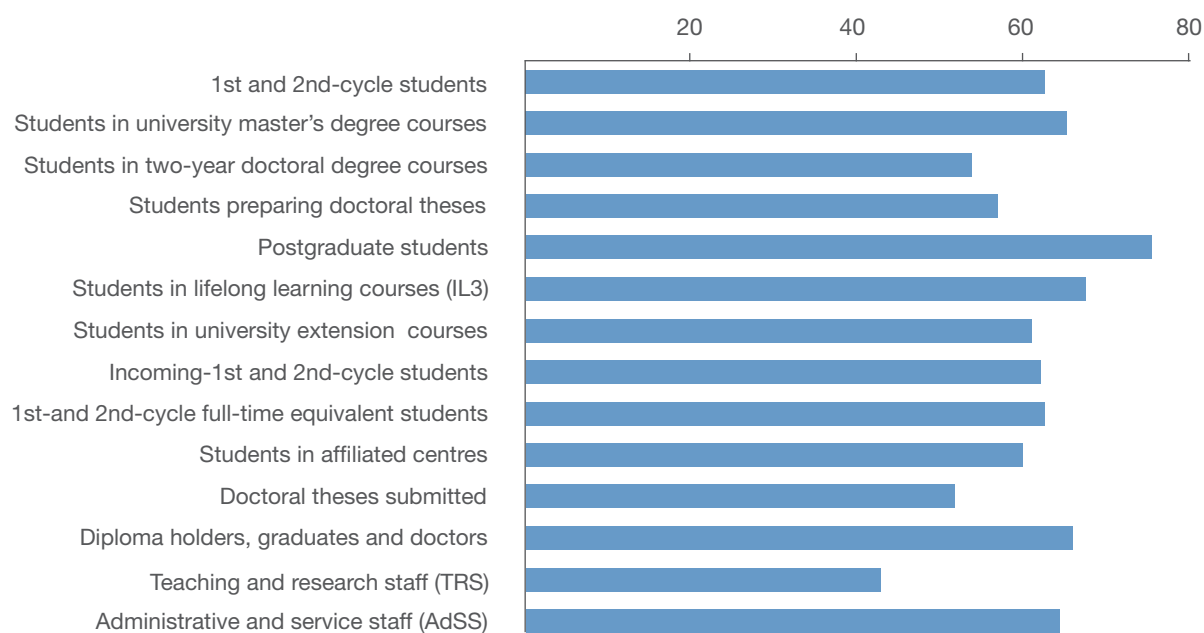
	2006-2007	2007-2008	2008-2009
Diploma holders	2,686	2,360	2,487
Degree holders	4,490	4,451	4,564
Doctors	536	531	503



Other students	2008-2009	women %
School of Modern Languages	4,297	62.8
Institute of Hispanic Studies	2,516	65.0
Catalan courses	3,032	67.0
Summer courses	2,664	67.8
Institute of Education Sciences	14,088	61.0
Courses for Senior Citizens	4,000	78.0

Teaching improvement and innovation	2008-2009
Consolidated teaching innovation groups	50
Teaching innovation groups	30
Financed teaching innovation projects	43
TRS participating in ICE training (%)	41.3

Ratio men/women Percentage of women in total UB figures



Research and technology transfer at the UB

	2007	2008
Income generated by research and technology transfer (thousands of euros)	76,643	90,258
Research projects*	31,484	52,882
Research projects – FBG contracts	14,729	13,663
Infrastructure	2,164	1,549
Other grants	18,047	10,206
UB agreements	8,267	10,142
FBG agreements	1,952	1,816

* Includes the University of Barcelona, the August Pi i Sunyer Biomedical Research Institute (IDIBAPS), the Bellvitge Institute for Biomedical Research (IDIBELL), the Institute for Bioengineering of Catalonia (IBEC), the Institute for Research in Biomedicine (IRB) and the Barcelona Science Park (PCB).

Research activity	2008
Lecturers and professors participating in R&D (%)	54.3
Research grantholders	972
Consolidated research groups (Generalitat)	229
Active research projects	639
Patent applications	31
Doctoral theses submitted	533
Scientific publications*	3,323

* Cited by the Institute for Scientific Information (ISI)

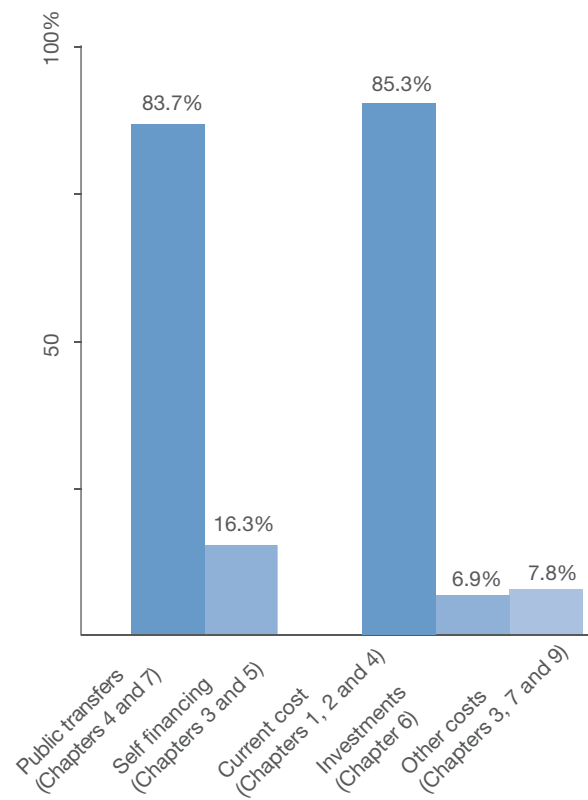
Barcelona Science Park (PCB)	2008
Personnel	2,200
Companies in the PCB	50
Research groups in the PCB	80

Scientific and Technical Services	2008
UB users (head researchers)	475
External invoicing (thousands of euros)	2,200
Value of scientific material (thousands of euros)	37,200

Budget 2009

Income (thousands of euros)	403,285
Chapter 3. Taxes and other income	64,747
Chapter 4. Current transfers	290,788
Chapter 5. Additions to capital	1,142
Chapter 7. Capital transfers	46,608

Expenditure (thousands of euros)	403,285
Chapter 1. Staff costs	272,072
Chapter 2. Acquisition of goods and services	59,049
Chapter 3. Financial costs	357
Chapter 4. Current transfers	12,942
Chapter 6. Acquisition of assets	27,707
Chapter 7. Capital transfers	30,945
Chapter 9. Financial liabilities	215



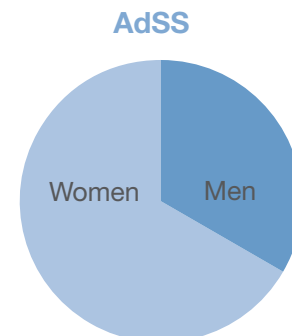
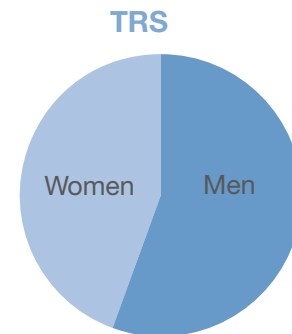
Teaching and research staff (TRS)

		% women
Total TRS	4,853	43.2
Full university professors	541	20.0
Full university school professors	40	52.5
Tenured university lecturers	1,481	41.5
Tenured university school lecturers	325	58.2
LOU-contracted professors	1	0.0
Tenure-track 2 lecturers	175	42.9
Tenure-track 1 lecturers	204	59.8
Temporary lecturers	52	67.3
Full-time temporary lecturers	31	71.0
Adjunct lecturers	1,596	44.9
Assistant lecturers	147	59.2
Others	260	41.2
Full-time equivalent lecturers (FTEs)	3,767,2	43.4
TRS with a permanent affiliation *	2,594	39.7

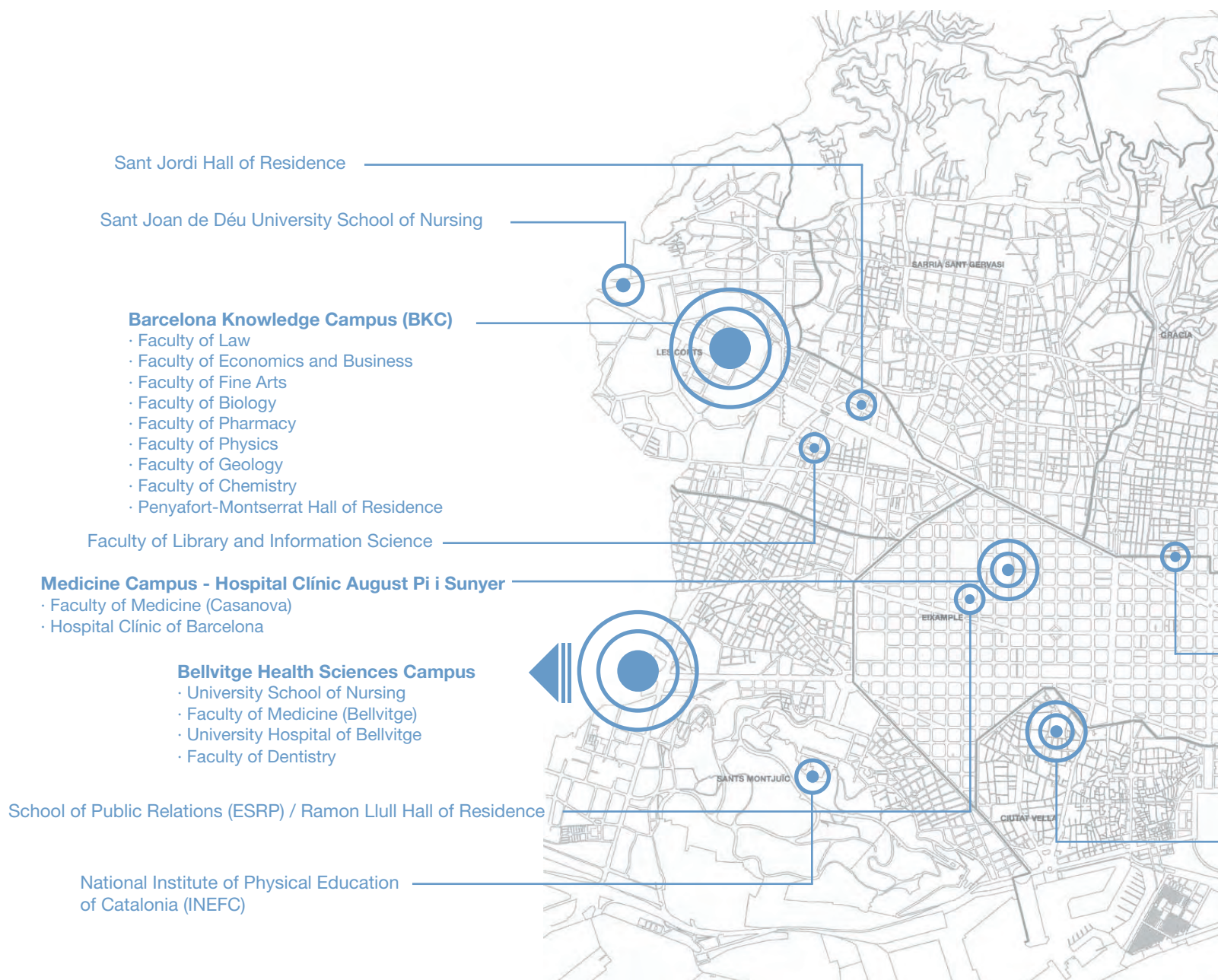
* Includes lecturers, tenure-track 2 lecturers, full-time temporary lecturers and LOU-contracted professors.

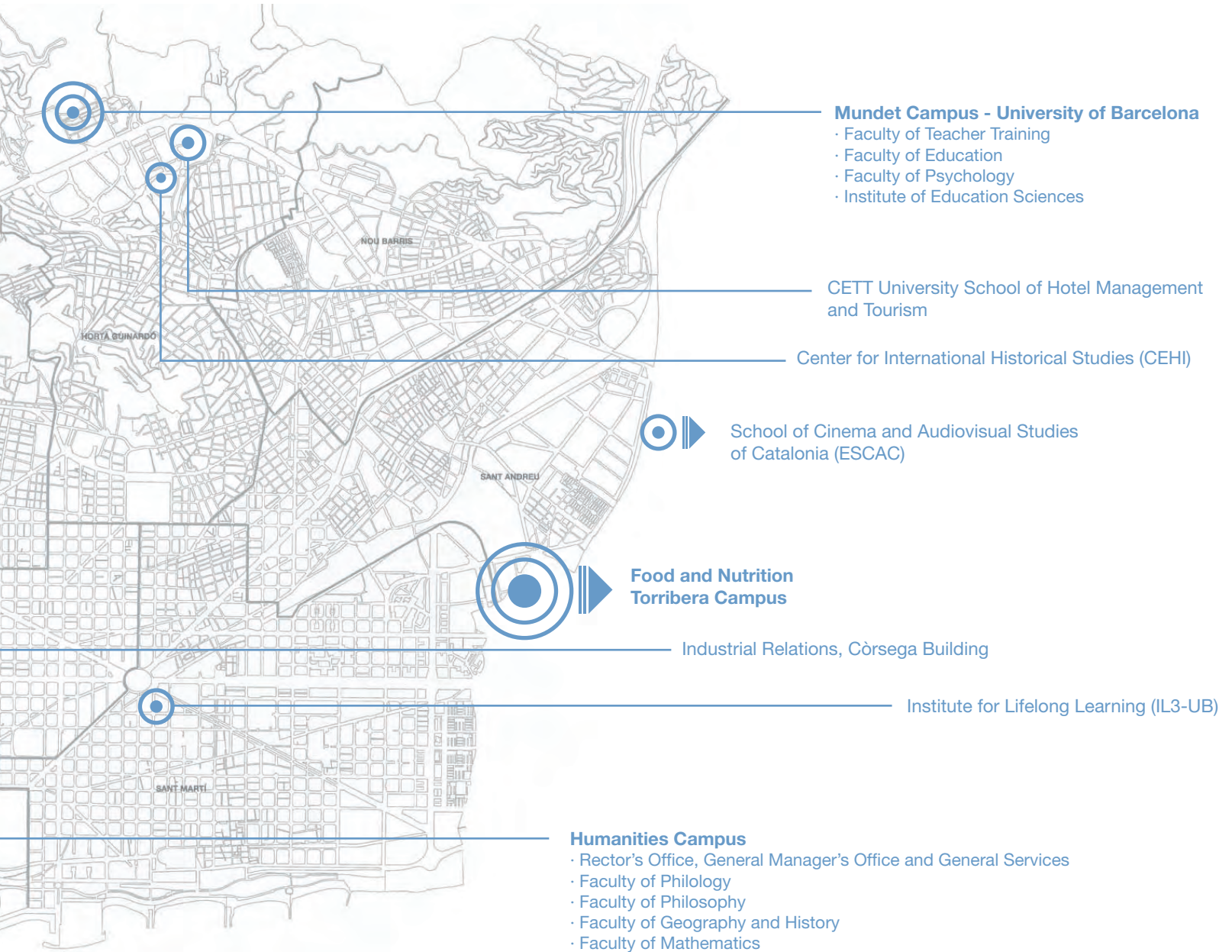
Administrative and service staff (AdSS)

		% women
Total AdSS	2,294	65.0
Civil service AdSS	1,047	82.2
Non-civil service AdSS	1,247	50.5
Ratio AdSS/TRS	0.47	



TERRITORIAL DSITRIBUTION: THE CAMPUSES AND THE CENTRES







2 A UNIVERSITY FOCUSED ON PEOPLE

Services for the university community
Institutional and cultural activities
Student services

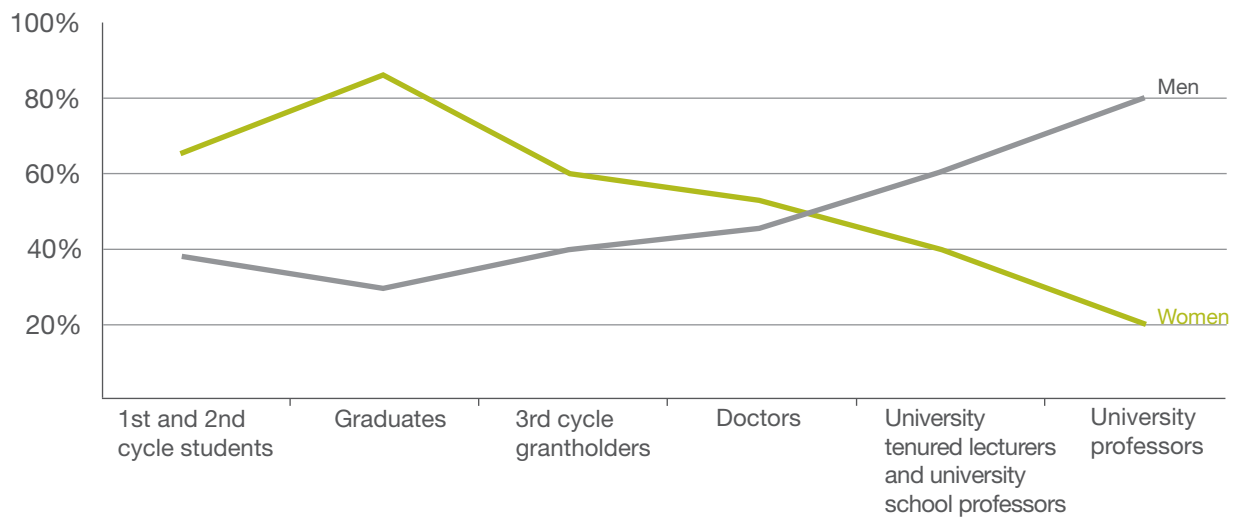


«Between the UB and me there's always been a relationship of give and take: it's kept me interested in continuing my learning process and in return I've given it my enthusiasm and my commitment. It's like the relationship between any couple: there are moments of crisis and there's always room for self-improvement, but underneath it all we're solid together because we're building together.»

Maria Pereira, administrative and service staff member and manager of the Industrial Relations Library



Comparative figures for men and women students and academic staff at the UB



SERVICES FOR THE UNIVERSITY COMMUNITY

The University of Barcelona is firmly committed to the principle of **social responsibility** and to taking the steps necessary to improve the institution's impact in economic, environmental and social areas. To this end, the newly created unit **Internal Control, Risks and Corporate Social Responsibility** gathers information and draws on the involvement of the university community as part of the Global Reporting Initiative.

The **UB's Committee for Gender Equality** and its **Gender Equality Plan** aim to ensure equal opportunity in every position at the University. The initiative is not only addressed at women but also at the entire university community, fostering a respect for diversity, collaboration and shared work.

The **Ombuds Office** is an independent, autonomous institution charged with defending the rights and freedoms of the student body, teaching and research staff, and administrative and service staff in order to improve quality in all areas of the university. Current work includes the establishment of a code of good administrative practices.

The area of **health and safety** has also seen a discernible improvement: in addition to safety audits and medical check-ups, new medical facilities have opened on the Mundet Campus this year and a review has begun of psychosocial risks in the workplace. Other steps include the incorporation of the newly created **Commissioner for Sustainability** on the Advisory Council 2026.CAT.Strategy for the Sustainable Development of Catalonia; the conclusion of an agreement with the provincial government of Barcelona to push forward the pact for sustainability proposed by mayors, promoting

energy savings and the use of non-conventional sources of energy; and the implementation of a software program from Fama Systems that acts as a geographic information system (GIS). With respect to the **environment**, work continues on the implementation of a municipal waste management system to improve the means available for selective collection, and new facilities for parking bicycles are planned.



INSTITUTIONAL AND CULTURAL ACTIVITIES



John Brademas

Josep Perarnau

Honorary Doctorates

On 1 December 2008, an honorary doctorate was awarded to John Brademas, professor and renowned Hispanist.

On 28 April 2009, an honorary doctorate was awarded to Josep Perarnau, theologian and historian specializing in Medieval Catalan Culture.

The **Doctors' Senate**, which has a membership of 930, awarded its twelfth annual prize for doctoral theses to Dr. Raquel García Castellanos in the Department of Biology and Molecular Biochemistry.

Awards and honours

The University of Barcelona was the recipient of the Acció 21 Award from the Barcelona City Hall's Council for the Environment and Sustainability. In addition, the UB shared the Mobility Pact of Barcelona Prize with the BACC-Bicycle Club of Catalonia and the UPC in recognition of the BiciCampus program.

Amongst the honours awarded to the teaching staff, the following were particularly noteworthy:

Pedro L. Alonso i Clara Menéndez, Prince of Asturias Award in International Cooperation 2008

Rodrigo Andrés, Javier Coy Biennial Research Award

José Luis Araus, Gold Medal of Friendship Award

Miquel Canals, King Jaume I Award for Environmental Protection

M. Assumpció Català i Poch, Cross of Sant Jordi 2009

Francisco Ciruela, Award in Pharmacology 2008 from the Spanish Pharmacology Society and Almirall Laboratories

Manel Esteller, Count of Cartagena Award from the Royal National Academy of Medicine and the Dulcinea Award

Joan Josep Guinovart, the Prat de la Riba Award

Antonio M. de Lacy, Mayo Publishing Award to the Best Spanish Article Published in the Foreign Medical Press

Carme Muntaner i Alsina, Award of the Catalan Society for Historical Studies

Mary Nash, President Macià Medal for Work

Alba Pérez Perarnau, Award of the Catalan Biology Society
Jaume Pòrtulas, National Prize in Literature

Ciril Rozman, Mayo Publishing Award 2009 to the Personality of the Year in Healthcare (22nd edition)

Alexis Sancho Reinoso, Lluís Casassas i Simó Prize

Joan Solà, Premi d'Honor de les Lletres Catalanes

Montse Tafalla, Award for Research on Human Rights

Tributes

Emili Giralt, professor of Modern and Contemporary World History; **Xavier Ruiz**, professor in the Department of Animal Biology and expert in the evolutionary biology and ecology of birds; **Francisco Casavella**, writer and alumnus of the Department of Spanish; **Pere Farrés**, professor in the Department of Catalan; **Ricard Salvat**, professor emeritus in the History of Stage Arts and a theatre director; and **Santiago Olivella**, professor in the Chemical and Environmental Research Institute of Barcelona (IIQAB-CSIC).

As part of the UB's program of **institutional activities**, the official opening of the academic year 2008-2009 was celebrated for the Catalan university system. **Antoni Segura**, professor of Contemporary History, gave the inaugural address: "The Autonomous University of Barcelona: History, Memory and Commitment". The UB Medal went to **Moisès Broggi**, a prestigious surgeon and 1931 UB graduate in Medicine, and to **Roser Rahola**, publisher, widow of the historian and UB professor Jaume Vicens Vives, and founder of the publishing firm named after him.





Ciril Rozman



Joan Solà



Pedro L. Alonso y Clara Menéndez



Miquel Canals

The UB's **Historic Building** offered guided **tours** to students' families, the general public and as part of the open-house days. In addition, a number of **exhibitions** appeared: "Republic, University and Autonomy (1931-1939): the Republic and the University of Barcelona", the twelfth exhibition on mushrooms (fungi and lichens), "Facts and Figures on Gender at the University of Barcelona" and "Our Memory of a Time of Silence, 1950-1960".

The University of Barcelona has also created a **Virtual Museum** to make the riches of our cultural, historical, artistic and scientific heritage accessible through new technologies.

The **22nd Concert Cycle** featured seventeen concerts, hosting performances by leading artists as well as visiting orchestras and choruses from a variety of European universities. The **Christmas concerts** presented John Rutter's *Magnificat*, performed by the UB's orchestra and Schola Cantorum, the women's choir Cantabile Cor and Contrapunto Vocale. The cycle closed with a performance of *Rita* by Gaetano Donizetti, given in cooperation with the conservatory of the Liceu. Growing out of the collaboration agreement with the symphony orchestra of el Vallès and La Caixa, a **chamber concert** entitled *Oxymoron* mixed music with projections of images from nature.



Other **cultural activities** included the theatre festival **Classics in the Garden** and the **Science-Fiction Film Cycle**, showing *Them!* (1954) by Gordon Douglas, *Metropolis* (1927) by Fritz Lang, *Paprika* (2006) by Satoshi Kon, *The Little Shop of Horrors* (1960) by Roger Corman, *The Fly* (1986) by David Cronenberg and *Matrix* (1999) by Larry and Andy Wachowski. Also, the UB held a **Poetry Day** and celebrated a **Tribute to the Sardana**, with participation by the local dance association Lluïsos de Gràcia. Lastly, the artist **Bill Viola** came to the UB by invitation. A pioneer in video art, Viola is a recent recipient of the Catalonia International Prize, given by the Catalan government at an academic event open to the general public.

Classes for Senior Citizens (AUGG) brought together nearly 4,000 students between 60 and 100 years of age, offering lectures in history and seminars in the history of art, music and Spanish literature. The history lecture cycle attracted a total of 250 students.

The **UB Sports Centre**, created in 1957, features one of the most extensive sports infrastructures in Barcelona. It has a wide range of facilities, providing a leisure, sports and health centre for the university community.



* «One of the UB's main strengths is its human potential, meaning the people who actually work there. From one period to another there may be fewer or more resources for us to rely on, but the people's desire to make things work is something you constantly feel.»

Esther Pérez, lecturer at the Faculty of Medicine and researcher in neuroscience

The sports teams at the UB earned recognition as the best university in Catalonia and was ranked fourth in Spain. Of particular note was the UB's participation in international competitions such as the European University Tennis Championship, the European University Karate Championship, the 24th Winter World University Games in Harbin (China) and the 25th Summer World University Games in Belgrade, the fifth edition of the Judo Open and the second edition of the Fencing Open. Our ongoing financial assistance program for high-level sportspeople, numbering 105 students and 72 professors, awarded 91 grants.

The **UB Solidarity Foundation** focuses its work on cooperation development, providing advice and assessment services and collaboration in specific projects that draw on the involvement of teaching and research staff. Projects include water management and improvements to local governability in Morocco, rural development and efforts to build lasting peace in Colombia, and preservation of cultural heritage in Senegal. Joint work continues in the area of human rights research, dissemination and protection in collaboration with the University of Oran in Algeria and the Pontificia Universidad Javeriana of Cali in Colombia. Also, the UB signed a cooperation agreement with the University of Lumumbashi (Democratic Republic of Congo). In the area of building peace and protecting human rights, the UB Solidarity Observatory continued to promote the Paula program and hosted the program of autumn solidarity events entitled *Tardor Solidària*.



STUDENT SERVICES

Using **Facebook**, the UB has opened up two new avenues of communication with students: a blog entitled **blogveu**, which invites student participation, and a Moodle space, which enables **communication with the UB student government**. This year marked the first annual **Associations Fair** to spotlight the many student associations and groups at the UB. Also, UB Publications brought out an edition of Jacint Verdaguer's Ode to Barcelona in celebration of St. George's Day.

In addition, the UB signed a social responsibility agreement with the NGO **Projecte Home Catalunya** to treat and prevent drug abuse, offering counselling and treatment to students and faculty. Advice and courses, provided with UB faculty involvement, will also be available and the agreement will encourage volunteer work among the university community.

The **Student Support Service (SAE)** provides specialized, one-to-one attention to prospective students, current students, any students with special educational needs, temporary and exchange students, and graduates and members of the UB alumni association Antics UB. The service provides information and any assistance required while studying at the UB and in the job placement process. It also aims to strengthen the sense of belonging among former students and ensure that all students and graduates can gain an understanding of the general outlines of university policy.

Other key student services include **Infoestudiants**, an information service which provides assistance to students by telephone, by email and in person; the **Self-Help Resources Room**, where students can find information and advice, documentation and other specialized print resources, and

six terminals with internet connection and other applications; the student **web site MónUB**, where students can ask questions on academic issues, financial aid and services, events and information of a cultural nature, as well as connecting to the intranet; the program **Information and Orientation for Prospective and Incoming Students**, which is intended to make the transition to university life smoother for students, facilitating their integration and adaptation through a series of activities and services such as platforms where they can explore the UB's educational offering and services (e.g., the education fairs Estudia and Futura), orientation days at secondary schools, UB open-house days, awards, publications and welcome programs, housing and information programs, and advisory services on financial assistance available to incoming students.

The UB's **Fem via program** attends to the special needs of students with any type of disability, promoting equality of opportunity and the full inclusion of these students in the academic life of the UB. It also encourages greater sensitivity and awareness throughout the university community. Activities include **special welcome programs** for incoming students, ongoing advice and support for students with disabilities, support students for students with disabilities, accessibility initiatives, **technical assistance**, and a specialized **job bank** to help with career placement.



The UB's career service **Feina UB** offers UB students and graduates an array of activities, tools and services related to finding a job. To help in meeting the challenges of entering the job market most effectively, the service has a team of advisors, a job bank and a listing of work placements in companies and institutions.

In addition, the Student Support Services Office now offers students access to the antenna of **Porta22** in its self-help area so that students can obtain information and use resources to find work. The antenna is the first to be installed outside the new jobs area of Barcelona Activa and the aim is to support students effectively in obtaining career orientation and advice.

Antics UB is the UB's alumni association. With more than 3,700 members, its aim is to connect the university more closely to society at large and foster ties to recent graduates so that they feel a greater sense of belonging to the university community. The association builds relationships and gives help and support in the area of professional development. This year marked the second annual UB alumni gathering, which was held in conjunction with the opening of the exhibition "Our Memory of a Time of Silence, 1950-1960".



3

A UNIVERSITY AT THE FOREFRONT OF EDUCATION

Academic courses offered
Additional academic opportunities
Services in support of teaching



«I chose the UB for my studies because it is the most highly rated university for Chemistry in all of Spain. What's more, being able to do my work placement in the lab or in companies that have ties with the UB gives you a clear prospect for the future.»

Jacob Varela, Chemistry student



«Education opens up so many opportunities, because our tools for working are changing every day.»

Pilar Tarancón, administrative and service staff member in the Department of Methodology of the Behavioural Sciences, Faculty of Psychology

ACADEMIC COURSES OFFERED

This year saw the design and approval of 49 new EHEA bachelor's **degree courses**, verified by ANECA (the Spanish National Agency for Quality Assessment and Accreditation) for inclusion in the UB's course offering for the academic year 2009-2010.

In the area of **undergraduate degree and diploma courses**, the UB received 15,317 first-choice applications for 10,813 places during the academic year 2008-2009, putting the demand ratio for places at 1.42. The highest numbers of applications were received in Medicine (1,642), Psychology (908), Business Sciences (811), Business Administration and Management (730), and Law (724).

During the academic year 2008-2009, the implementation of 27 new university **master's degree courses** adapted to the requirements of the European Higher Education Area brought the total number to 115. Enrolment stood at 3,905 students, with the greatest numbers selecting Territorial Planning and

Environmental Management, and Advanced Chemistry. These numbers include 1,227 students of foreign nationality, coming predominantly from Latin America and Italy.

Students in undergraduate degree and diploma courses

Area	Students enrolled	New students	Graduate students
Arts and humanities	9,093	2,225	1,199
Social sciences and law	18,346	4,208	2,344
Experimental sciences and engineering	6,178	1,299	771
Health sciences	8,791	1,999	1,319
Education sciences	6,577	1,989	1,418
TOTAL	48,985	11,720	7,051

Students in university master's degree courses

Area	Students enrolled*	New students*
Arts and humanities	1,151	719
Social sciences and law	408	255
Experimental sciences and engineering	848	604
Health sciences	1,012	692
Education sciences	369	224
TOTAL	3,905	2,597

* Includes students in UB-affiliated centres.

EHEA bachelor's degree courses

- Advertising and Public Relations
- Arabic and Hebrew Studies
- Art History
- Biochemistry
- Biology
- Biomedical Sciences
- Biotechnology
- Catalan
- Chemical Engineering
- Chemistry
- Cinema and Audiovisual Media
- Classics
- Computer Engineering
- Criminology
- Dentistry
- Education
- Electronic Engineering and Telecommunications
- English Studies
- Environmental Sciences
- Geography
- Geology
- History
- Industrial Relations
- Information and Documentation
- Law
- Linguistics
- Literary Theory and Comparative Literature
- Mathematics
- Medicine
- Modern Language and Literature
- Molecular Medicine
- Nursing
- Nursing - Sant Joan de Déu
- Pharmacy
- Physical Activity and Sport Sciences
- Physics
- Podiatry
- Political and Administrative Sciences
- Psychology
- Public Management and Administration
- Romance Languages
- Social and Cultural Anthropology
- Social Education
- Social Work
- Spanish
- Statistics
- Teaching in Early Childhood Education
- Teaching in Primary Education
- Tourism

Simultaneous pathways

- Physics - Mathematics
- Mathematics – Computer Engineering

During the academic year, proposals were also put forward for new university master's degree courses. Approval was granted to 15, bringing the number envisaged for the academic year 2009-2010 to 130.

University master's degree courses approved for the academic year 2009-2010

1. Analytical Philosophy
2. Artistic Creation: Realism and Context
3. Asian and Pacific Studies
4. Autoimmune Diseases
5. Donation and Transplantation of Organs, Tissue and Cells
6. Educational Psychology
7. Environmental Agrobiology
8. Higher Education
9. Integrative Physiology
10. Interdisciplinary Education of the Arts
11. Performance in Sport: Training Development and High-Level Sport
12. Podiatric Surgery
13. Research in Personality and Behaviour
14. Spanish Language and Hispanic Literature
15. Teacher Training in Obligatory Secondary and Upper Secondary School Education, Vocational Training and Languages

The UB offered 129 UB-specific [postgraduate](#) diplomas, 41 courses offering [certificates of attainment](#) and 156 UB-specific [master's degree courses](#), with 3,548, 482 and 4,612 students, respectively. The large presence of international students (16.3% of the total) provides an indication of the extent to which third-cycle studies are becoming international at the UB.

The UB's [university extension program](#) offered 56 courses with 1,400 students enrolled.

The UB received and managed applications for [grants](#) in three categories: **general** (4,863 grants awarded), **mobility** (650 awarded) and **incoming students** studying for the first time (956 awarded). Total grant funding stood at 16,319,313 euros. Of this amount, 4,827,587 euros corresponded to tuition exemption across all three grant categories, 2,201,057 euros related to general mobility assistance, and 1,096,216 euros concerned special mobility assistance. The remaining sum of 8,194,453 euros provided support for the purchase of books, travel costs, accommodation and other items.

Grants awarded to first- and second-cycle students

	General and mobility call*
First and second cycles	5,647
Arts and humanities	1,081
Social sciences and law	1,316
Experimental sciences and engineering	646
Health sciences	1,398
Education sciences	1,206
University master's degrees	377
Affiliated centres	445
TOTAL	6,469
% concessions/applications	64.6

* Includes anticipated calls



Students in UB-specific master's degree courses, postgraduate diplomas and extension courses

Area	Postgraduate diploma	Master's degree course	University extension course
Arts and humanities	179	310	181
Social sciences and law	452	671	185
Experimental sciences and engineering	61	163	229
Health sciences	734	1,615	188
Education sciences	103	85	407
ICE	60	-	-
IL3	2,441	1,768	210
TOTAL	4,030	4,612	1,400



«I picked the University of Barcelona on my boss’s recommendation, based on its excellent references. One of the aspects that most impressed me was the UB’s long tradition and that it is a good place to study languages.»

Yuki Kotake, architect and student in the Institute of Hispanic Studies

In addition, the Spanish Ministry of Education and Science (MEC) awarded 168 **department collaboration grants**, representing 453,600 euros, while 552 **collaboration grants** for services and units attracted 2,598,564 euros in funding. The DRAC program (Vives University Network) awarded 73 grants. The UB summer school, Els Juliols, awarded 115 grants.

The Spanish financial assistance program for **student mobility Seneca** awarded 87 grants totalling 382,900 euros. With respect to other **mobility programs**, 505 grants were awarded within the European Union, 22 for the rest of the world, and 68 for specific student exchanges.

In the context of the **SICUE national mobility program**, the UB signed bilateral agreements with 47 Spanish universities and offered a total of 2,495 places. The University of Barcelona ranked second in Spain in participation and financial support for national mobility programs.

Students in the SICUE national mobility program framework

Area	Outgoing	Incoming
Arts and humanities	51	100
Social sciences and law	29	69
Experimental sciences and engineering	17	35
Health sciences	28	46
Education sciences	21	42
UB-affiliated centres	7	21
TOTAL	153	313

The UB welcomed a total of 1,748 visiting students on **short stays**: 1,633 took part in international exchange programs, while 115 received international exchange grants.

Grants and financial aid awarded

Grants awarded	Number	Amount (€)
General and mobility	5,513	16,319,313
Anticipated call	956	
Collaboration with departments	168	453,600
Mobility grants program for Seneca students	87	382,900
Collaboration with the UB	552	2,598,564

Grants awarded	Number
DRAC program	73
Mobility program	527
Specific exchange programs	68
The UB Els Juliols summer courses	115

Mobility grants for students in university master's degree courses

A total of 28 mobility grants for students in university master's degree courses provided 33,240 euros in financial assistance.

University master's degree courses	Number of grants	Amount (€)
Fundamental and Applied Ecology	1	800
Psychogerontology	23	21,400
History and Culture of Food	3	8,280
Biomedical Engineering	1	2,760
TOTAL	28	33,240



International students completing short stays

Exchange program	Number of students
Sócrates – ERASMUS	1,083
ERASMUS Mundus	4
Bilateral agreements	112
Specific programs with the United States	230
Brethren Colleges Abroad (BCA)	43
California-Illinois	49
Dartmouth College	38
Knox College	38
Barcelona Center for International Studies (BCIS)	0
Council of International Education Exchanges (CIEE)	19
University of Pennsylvania	5
Consortium for Advanced Studies in Barcelona (CASB)	37
Case Western Reserve University	1
Individual applications	197
European Mobility Scheme for Physics Students	1
CINDA program	2
Coimbra Group	4
Grants	
MAEC-AECID	107
Carolina Foundation	8
TOTAL	1,748

ADDITIONAL ACADEMIC OPPORTUNITIES

The **mission** of the University of Barcelona’s Institute for Lifelong Learning (IL3) is to serve as the UB’s vehicle to provide people and organizations with lifelong educational opportunities, both professionally and personally. IL3 offers a wide range of courses that may take the form of face-to-face, distance or blended learning of varying length, from UB-specific master’s and postgraduate degree courses to individual seminars. Tailored training is offered to companies as well. The IL3 **strategy focuses** on quality in education and its ability to respond to emerging needs, strengthening the collaborative ties with government and business groups and consolidating the UB’s presence in Latin America and Europe.

This year, the number of **open courses** stood at 113 UB-specific master’s degree courses, 76 postgraduate diploma courses and 298 short-study programs, attended by 2,792, 1,536 and 16,820 students, respectively. Distance courses attracted 13,974 students seeking free-elective credits.

Participation also drew 2,457 members of the teaching staff, including 1,863 from outside the UB. Another key feature was IL3 collaboration with 545 companies and 297 educational cooperation agreements, in addition to a new blended offering in English devised in conjunction with the School of Modern Languages (EIM).

IL3 Students.

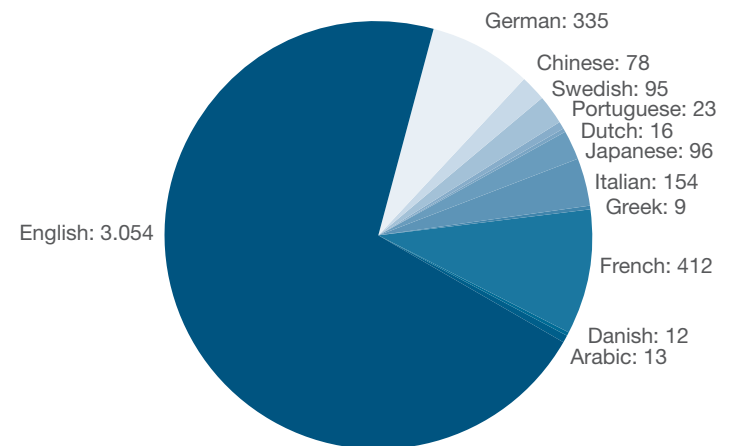
Type of course	Open courses		Students in corporate training
	Students	Hours	
Face-to-face	2,434	40,866	2,227
Blended	473	7,729	878
Distance	18,241	41,370	6,739
TOTAL	21,148	89,965	9,844



Founded in 1953, the [School of Modern Languages \(EIM\)](#) offers foreign language instruction to the university community and to public and private institutions. Instruction is available in two types of course: ordinary courses ranging from beginner to advanced level, and then special introductory, refresher or speaking skill-based courses, examination preparation courses and EAP language skills courses for specific university disciplines.

This year, the 16 courses on offer attracted 4,297 students. A team of 64 teachers gave instruction in Amazic (Berber), Arabic, Chinese, Danish, Dutch, English, Finnish, French, German, Greek, Italian, Japanese, Norwegian, Portuguese, Russian and Swedish. The number of level tests reached 3,844. In conjunction with the External Language Service (SEI), a program of 86 courses provided foreign language instruction to 925 students over a total of 4,732 hours.

Students at the School of Modern Languages 2008-2009



For over sixty years, the [Institute of Hispanic Studies](#) has been providing education in Spanish language and culture to visiting students. The Institute organizes and delivers Spanish courses to students taking part in the Erasmus program or other bilateral agreements, running exams for the Diploma in Spanish as a Foreign Language (DELE) offered by the Cervantes Institute. The Institute also designs, organizes and teaches courses for groups with special needs or requirements.

During this academic year, enrolment in the Institute's course offering reached 2,516 students. Of these, 423 students were Erasmus participants, while 815 students took part in the 57th edition of the Course in Hispanic Studies, Language and Culture for Non-Spanish Speakers. A total of 15 intensive language courses attracted 454 students. Other courses on offer included Business Spanish, Conversational Spanish, Written Spanish and Spoken Spanish for Everyday Situations. Lastly, 306 candidates enrolled in DELE preparation courses.

Catalan language learning provided by the [UB Language Services \(SL\)](#) took the form of 186 courses attended by 3,032 students. Catalan instruction and examinations were also provided to teaching staff.





«One of the primary challenges of university teaching is to train individuals so that they perform anywhere in Europe. Now, in light of Bologna, graduates will be able to work abroad without any difficulties.»

Esther Pérez, lecturer in the Faculty of Medicine and researcher in neuroscience

During the summer of 2009, the UB held the thirteenth annual summer program called **Els Juliols**, with a special program for senior citizens (over 60 years of age). In addition, the UB organized the Women's Summer University at Cornellà (UED). A total of 2,495 students took part in 49 courses led by 478 professors in the areas of the arts and humanities, science, nature and the environment, resources and personal growth, health, and society and politics.

The first year of the **UB International Summer School** offered international language courses, including **Els Juliols Linguae**, **Els Juliols Creativity** (as part of the first Summer School on Management of Creativity in an Innovation Society, jointly organized with HEC Montreal). The UB also took part in the second Summer School on Development, entitled "Migration: Analyses, Practices and Policies", delivered as part of the ACP working group of the Coimbra Group, a European university network. Participants numbered 169 students and 83 teachers.

In addition, the UB took part in the 14th annual **International University of Menorca, Illa del Rei (UIMIR)**, in collaboration with the municipal government of Maó, the island council of Menorca, the government of the Balearic Islands and the Universities of the Balearic Islands and Castelló de la Plana. A total of 11 courses addressed a variety of subjects, attracting the participation of 55 teachers and 180 students.

Other course offerings. Students 2008-2009

School of Modern Languages	4,297
Institute of Hispanic Studies	2,516
Catalan Courses	3,032

SERVICES IN SUPPORT OF TEACHING

The mission of the **UB administrative unit European Convergence (OCE)** is to promote steps and initiatives that adapt the UB's studies to the requirements and characteristics of the European Higher Education Area (EHEA); advise on processes that require the University of Barcelona's involvement in building the EHEA; promote projects and experiences that foster innovation in education; lend support to the many programs and plans of UB schools and faculties aimed at driving this process, and acting as a documentation service in the creation of guidebooks on key aspects of the EHEA implementation.

The **Learning and Research Resources Centre (CRAI)** gives support to teaching and research staff in the management and provision of information resources and services that help them in their work. This includes advice in the creation of materials, publication of materials, copyright issues, the use of teaching platforms and tools, and teaching innovation.

There are 16 teaching support points (PSD) located in each of the CRAI libraries. In addition, the Teaching Support Unit (USD) provides specialist assistance in the creation of teaching materials, the Innovation and Dissemination Unit (UID) manages grant applications as part of the Teaching Improvement and Innovation Program (PMID), and the Office for Knowledge Dissemination (ODC) provides advice on copyright issues and the use of outside materials.

This year, CRAI implemented a new library management application called Millennium Integrated Library System. Significant expansion of the digital library saw the addition of new special collections, communities, and resources for the Cervantes Virtual Library. In addition, ReCercador, a new search engine for electronic resources, came online and CRAI began to offer a

teaching inquiry service that operates twenty-four hours a day, seven days a week.

Data for CRAI – Libraries

Reserves

	Total	Acquisitions in 2008
Books ⁽¹⁾	1,608,909	54,350
Periodicals ⁽¹⁾	49,749	19,548
Databases	328	8
Other materials	89,147	2,242

(1) Includes paper and online formats, purchased or donated.

Services

Library users	5,394,602
Loans	688,373
Inter-library loans (UB document request service)	
requests issued	9,768
requests received	25,203
Catalogue queries received	3,989,632
Online periodical queries received	457,676

Installations

Total area (sq m)	38,624
Single-user reading desks	6,221
Computer terminals for public use ⁽²⁾	774
Photocopy machines	31
Microform readers/printers	94

(2) Includes laptop computers.

The University of Barcelona sees teaching quality as one of its primary objectives. The **Teaching Improvement and Innovation Program** strives for continuous improvement in teaching, giving impetus and support to teaching innovation and activities that enable the exchange of teaching experiences.

To meet this aim, the UB gives financial support to **teaching innovation projects** (PID). In 2008, 43 projects received a total of 152,000 euros to pursue teaching innovation. The Catalan government also invites applications for funding support to improve the quality of teaching and UB projects received 24 awards of funding. With respect to **innovation groups**, 50 consolidated teaching innovation groups received accreditation, while 30 new teaching innovation groups achieved recognition. A specific call for funding allocated to consolidated teaching innovation groups took place.

The UB's **Institute of Education Sciences (ICE)**, founded in 1969, provides academic and cultural training to individuals who undertake educational tasks. The Institute performs this service through encouragement, constant guidance, and an analysis of the work of the university, in order to improve performance. The ICE analyses the training needs of teaching staff and devises proposals in response to this analysis, promotes and fosters educational innovation, provides guidance and advice on research, coordinates its own research activities, provides consultancy services, publishes materials and disseminates good practices, and creates training materials in various media.

In the area of **teaching assessment**, a student questionnaire went out to 5,647 groups of students, achieving a participation rate of 58.8%. The process involved 138,826 questionnaires and 5,007 reports prepared for a total of 3,906 professors in 2,603 subjects.

This year also marked the sixth formal assessment of teaching quality at the UB, undertaken with the new assessment manual accredited by AQU Catalonia, the Catalan agency overseeing quality in higher education. Of the 308 reports prepared, 97.7% were favourable.

ICE activities

Training activities	Students enrolled
Lifelong learning for teachers in early childhood, primary and secondary education, vocational education, and social and community learning	7,960
Conferences, seminars, workshops	2,238
Other activities	5,722
Preliminary training of secondary-school teachers (CAP)	2,517
Training of university teaching staff	3,242
Standardization of Catalan	199
Postgraduate and master's degree courses	170
TOTAL	14,088





4

A UNIVERSITY LEADER IN RESEARCH

Research
Technology and knowledge transfer
Third-cycle studies



«So many aspects drew me to the UB, like the infrastructure, the labs, and Scientific and Technical Services, which are excellent. On top of that, the location of Barcelona is really strategic. It makes it easy to do research both inside and outside Europe.»

Ester Robles, Colombian, doctoral student in the Faculty of Geology



«The UB's chief asset is its human capital, both in terms of people's competence, meaning their knowledge, skills, expertise and overall know-how, and in terms of their attitude to their work: their interest, motivation and their general desire to do things.»

Miquel Villarrubia, lecturer at the Faculty of Physics and environmental researcher in wind power and other forms of renewable energy

RESEARCH

The University of Barcelona is the leading research university in Spain, based on international rankings such as the Academic Ranking of World Universities—known as the “Shanghai Ranking”—and the World University Rankings published by *Times Higher Education* & *QS Quacquarelli Symonds*. The main source of the UB's strength lies in its 6,143 people (4,513 researchers and grant-holders, 612 technicians and 1,018 assistants), who, jointly with external members, take part in the work of consolidated groups, project-specific groups and emerging groups recognized by the Catalan government.

Under the **Strategic Research Plan**, the UB has created new research institutes and centres to strengthen interdisciplinary efforts and coordinate the research of groups whose work is related.

At present, the University has 11 research institutes, 2 university institutes, 11 research centres, 9 observatories and 3 documentation centres. In addition, the UB participates with other institutions in 13 additional institutes and centres and in 2 interuniversity institutes.

The UB invites applications for special funding of research projects in the social and human sciences that are not ready to compete for general funding. The UB also supports the initial work in projects which have received a positive scientific assessment, but have failed to win competitive funding. The UB received a total of 41 applications of these kinds and awarded 21 grants.

UB-specific research institutes and centres

Centre for Mountain Research (CRAM)
 Centre for Primate Research (CERP)
 Centre for Research on Biodiversity in Terrestrial Mammals (CRBMT)
 Centre for Research on Citizenship and Civil Society (CISC)
 Centre for Research on Drug Development (CRDM)
 Centre for Research on Fiscal Federalism and
 Regional Economics (CRFFER)
 Centre for Research on Theories and Practices for Overcoming
 Inequalities (CREA)
 Centre for Research on Welfare Economics (CREB)
 Duoda Centre for Research on Women
 Geomodels Research Institute
 Institute for Research on Applied Regional and Public Economics (IREA)
 Institute for Research on Biodiversity (IRBio)
 Institute for Research on the Brain, Cognition and Behaviour (IR3C)
 Institute for Research on Medieval Cultures (IRCUM)
 Institute for Research on Nutrition and Food Safety (INSA-UB)
 Institute of Ancient Middle East Studies (IPOA)
 Institute of Biomedicine (IBUB)
 Institute of Cosmos Sciences (ICCUB)
 Institute of Mathematics (IMUB)
 Institute of Nanoscience and Nanotechnology (IN2UB)
 Institute of Public Law (IDP)
 Institute of Theoretical and Computational Chemistry (IQTUB)
 Polis Centre for Research on Environmental Intervention: Art and
 Society (CR POLIS)
 Water Research Institute



In accordance with the fourth research and innovation plan for Catalonia (2005-2008), the map of research groups is made up of 229 consolidated **research groups**, 14 emerging groups and 10 project-specific groups, in addition to 20 groups managed by IDIBAPS and 2 by IDIBELL. As part of the national pact for research and innovation (PNRI) and the new research and innovation plan, the competition for financial assistance in 2009 attracted 263 applications from consolidated research groups, 38 applications from emerging research groups and 19 from project-specific groups.

With the respect to the **scientific output of UB researchers**, the international databases of the Institute for Scientific Information recorded 3,323 collaborative publications. Of this total, 2,888 figured in the Science Citation Index Expanded (SCI), 375 appeared in the Social Sciences Citation Index (SSCI) and 60 featured in the Arts & Humanities Citation Index (A&HCI).

Income from research activity this year stood at 44,493,667 euros from a total of 432 projects.

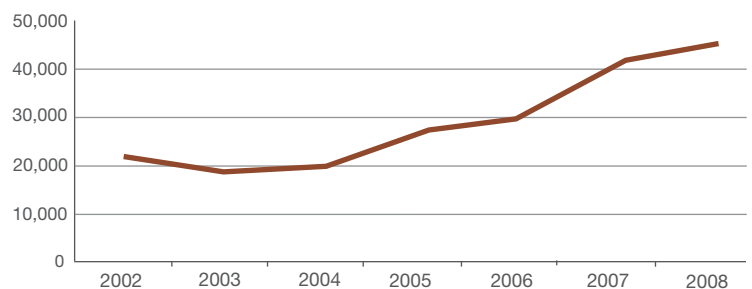
Income from research activity

	Projects	Amount
Projects and special activity	383	32,738,755
Infrastructure	49	1,548,630
Funding		10,206,281
TOTAL	432	44,493,667

The total number of **signed agreements** reached 553, while the income from research-related agreements, which numbered 177, stood at 11,259,815.29 euros.

The **administrative unit International Research Projects (OPIR)** is responsible for promoting and supporting the proposal and management of international projects. During the year, the UB signed 32 projects under the European Commission's 7th Framework Program, totalling 14,251,336 euros, in the following categories: research infrastructure; research targeted at small and medium-sized companies (PIME); the environment (including climate change); health; information and communication technologies; food, agriculture and fisheries, and biotechnology; safety; socioeconomic sciences and the humanities; the CER Ideas program; and the Marie Curie People-Actions program. In addition, the UB took an active role in European networks addressing specific topics and in consortia with other universities, such as Eurolife. Eurolife is a network that brings together seven prestigious European universities in the life sciences. This year, the UB marked the celebration of Eurolife's tenth anniversary with working sessions and talks from leading researchers, inviting attendance by researchers and students alike.

Income for research activity (thousands of euros)



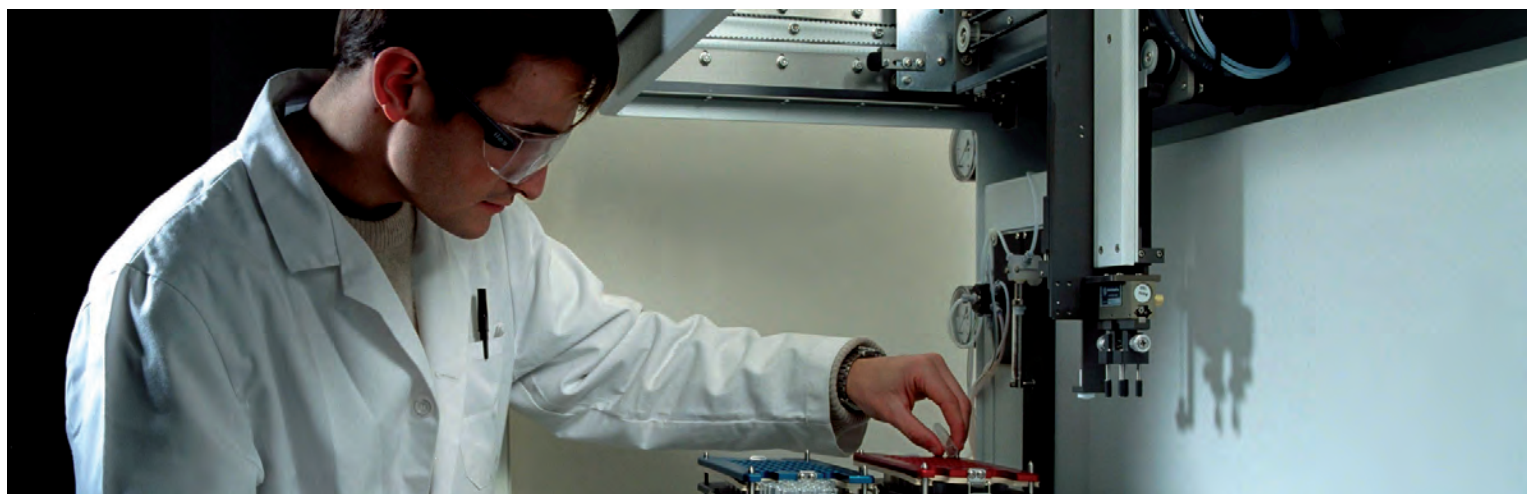
UB Group income from research and technology / knowledge transfer (thousands of euros)

	Amount
Research projects*	52,882
Research projects-FBG contracts	13,663
Infrastructure	1,549
Other funding	10,206
UB agreements	10,142
FBG agreements	1,816
TOTAL	90,258

* Includes the University of Barcelona, the August Pi i Sunyer Biomedical Research Institute (IDIBAPS), the Bellvitge Institute for Biomedical Research (IDIBELL), the Institute for Bioengineering of Catalonia (IBEC), the Institute for Research in Biomedicine (IRB) and the Barcelona Science Park (PCB).

The **Barcelona Science Park (PCB)** is a powerful and unique engine for research activities. Founded twelve years ago, the PCB has become one of the most significant agents for research, innovation and knowledge transfer in the country and in the world. Its aims are to drive high-quality research, build and strengthen relationships between the University and the business world, and spur the creation of new companies and institutes. This year, the PCB was home to more than 2,200 professionals, 4 research institutes, over 50 private firms, an incubator for biotech companies, over 70 research groups and a wide range of technology supporting research. The PCB organized more than 120 activities to promote scientific culture and careers in science. Nearly 6,000 individuals took part.

The PCB is currently undertaking an ambitious program of expansion, which is due to finish in 2011 and will bring the total area of its facilities to 96,000 sq m.



In **building and renovation**, currently, Phase 2 is under way, adding nearly 50,000 sq m through the enlargement of the Modular Building and its laboratories, the Cluster Building, the construction of the Services Building and the Energy Building, the renovation of B and C Towers, and the completed renovation of the Administration Building.

Modifications and improvements include the expansion of the IRB labs, the enlargement of Advancell's facilities, upgraded facilities for Kymos and the Institute for Bioengineering of Catalonia (IBEC), and the opening of a new laboratory for the Prous Institute.

In the **research area**, "Technology offering" covers the entire set of facilities and technological and human resources dedicated to research. Activity can be divided into two large areas of work: technology platforms, which offer high-quality technology resources accompanied by high-quality scientific know-how, and scientific support services, which encompass a significant collection of centralized facilities and equipment to support research. The UB currently has 9 technology platforms and 3 units providing scientific support services.

The **technology platforms** have obtained 5 new research projects in open competitions, including "Nanosost: Towards Safe and Responsible Nanotechnology", awarded by the Catalan Ministry of Science and Innovation and Endor Nanotechnologies, a firm participating in the PCB-Santander Bioincubator.

Of particular note are the advances made by the research group in Cognitive Neuroscience on the foundations of language processing, the Drug Discovery platform, the Advanced Microscopy platform, and the efforts of the three groups working on the Laboratory of Computer Simulation and

Modeling (CoSMo Lab). In addition, the Foundation of the Catalan Institute of Climate Sciences was established.

With respect to **other research projects**, a total of 23 new projects originated from the European Union, public organisms of the Spanish central government and the Catalan government, and private organizations such as TV3's Marathon Foundation, the Spanish Foundation for Science and Technology and the private European Science Foundation.

In addition, the UB signed 30 **new contracts** with firms established at the facilities of the Barcelona Science Park and with other firms in Spain or elsewhere in Europe.



In the **innovation area**, the **PCB-Santander Bioincubator** was set up in 2002 with the aim of playing a long-term role in strengthening the biotechnology sector in Catalonia, contributing to the establishment of a critical mass in R+D+I and fostering innovation and global competitiveness. This year, participating firms moved into a new space dedicated to the Bioincubator.

R+D expenditure by firms in the second generation of the Bioincubator stood at 3,130,000 euros, with a turnover of 1,396,000 euros and export revenue of 697,000 euros.

In the **international area of research and innovation**, the year 2008 was the second year of operation for the Red Emprendia (the Ibero-American University of Factories Incubation Network). This is an initiative of the University of Barcelona and the University of Santiago de Compostela, which enjoys the support of the Santander Bank. The organization sponsored four meetings with day-long working sessions in order to continue in its effort to foster formulas for collaboration that can facilitate knowledge transfer and encourage entrepreneurial spirit.

Another key element in the research area is the UB's **Scientific and Technical Services (SCT)**, a unit that offers specialized scientific and technological structures and highly qualified staff to provide scientific and technological support to projects conducted by UB research groups, research groups affiliated to other public institutions, and private firms. Since 2005, the unit has had ISO 9001:2000 certification.

SCT's technical units currently occupy 6,000 sq m distributed across three campuses. They specialize in the areas of nuclear magnetic resonance, advanced microscopy and

related techniques, mass spectrometry, specialized support techniques for the life sciences, and elemental and molecular chemical analyses.





During the year, SCT worked with more than 475 **research group leaders** from within the UB, 426 research group leaders from other public institutions, and 306 users from 244 **private companies**. Of the 244 private companies, 212 have their headquarters in Catalonia, 167 are small or medium-sized companies (PIME) and 45 are large companies. They come from the following sectors: pharmaceuticals, chemicals, metallurgy, and emerging companies with a strong research and development component.

The most frequently requested **techniques** involved the Unit of Metal Analysis (AA, FRX, ICP), genome analysis, nuclear magnetic resonance, separation techniques, polymorphism detection, calorimetry, x-ray diffraction, electronic trace microscopy, electronic transmission microscopy, and gas chromatography/mass spectrometry.

SCT technicians took part in 125 training activities, co-authored 95 indexed publications and organized or delivered training sessions in 23 courses. In addition, they hosted a total of 62 visits by researchers from various national and international universities and from companies in the private sector.

The SCT opened new spaces for the Electronic Microscopy Unit and the Neurological Tissue Bank and purchased 5 new pieces of equipment through PEIR competitive funding from the Catalan government. Lastly, 4 units took part in 8 interuniversity exercises, involving various public and public centres, in order to assess participant aptitude.

Scientific and Technical Services

Staff	140
Value of scientific equipment	€ 37.2 m
Surface area	6,000m ²
External companies	244
Users	1,207
Internal users (principal researchers)	475
Total income (thousands of euros)	3.36
External income (thousands of euros)	2.20

TECHNOLOGY AND KNOWLEDGE TRANSFER

The UB reorganized all bodies involved in technology and knowledge transfer in order to increase the effectiveness and agility of the system. The reorganization moved all of these bodies fully into the **Bosch i Gimpera Foundation (FBG)** which specializes in the area. Created in 1983, FBG seeks to promote and facilitate the transfer of research results, scientific and technical capabilities and knowledge to society through research contracts with firms or institutions, patent licenses and the creation of new companies. Among its objectives for the future, it intends to continue at the forefront in the development of new projects that effectively connect the University to new social demands and realities, promoting innovation and a culture of entrepreneurship.

FBG's promotes and manages transfer activities primarily through four entities:

1. The **Patent Centre** conducts research, prepares documentation and performs dissemination and teaching activities in the field of industrial and intellectual property. It also offers services to the public at large and particularly to entities linked to the UB Group and the Barcelona Science Park concerning the patent protection of research results. Dissemination and teaching activities include the organization of conferences that study and provide updated information on patents; the preparation and submission of 17 Spanish patent applications and 11 international patent applications (PCT); and collaboration in various activities organized by the Catalan government's ACCIÓ agency, the Barcelona Chamber of Commerce and the Spanish Office of Patents and Trademarks.





«The UB is one of the most prestigious, most competitive universities in Spain, and the Hospital Clínic is one of the finest in Europe in the field of neuroscience and in other research areas.»

Esther Pérez, lecturer in the Faculty of Medicine and researcher in neuroscience

The activities included the Innovation and Patents Forum and Barcelona Activa’s Day of the Entrepreneur.

2. The **Agency for Assessing and Marketing Research Results (AVCRI)** is responsible for promoting and managing the transfer of research results through the identification, assessment, protection and commercialization of industrial and intellectual property. Its mission is to achieve the best possible transfer in accordance with international standards and, at the same time, create a culture in which the value of research is appreciated among the public.

Transfer projects arise when the results of research projects are original, can be protected, and offer an application that responds to one of society’s unmet needs. Together, these qualities give a project a high transfer potential.

Academic research is needed to tackle the very earliest stages of product development. Driving transfer projects forward from their initial stages requires additional efforts aimed at preparing the concept of the final product and working on promotion and business development. To do so, three sources of assessment funding are available: UB funding, which invested 57,250 euros in 3 projects; the UB-Santander Bank’s program for assessment projects (PPV), which completed its second call, receiving 42 applications for funding totalling a million euros; and public subsidies, involving funding from ACCIÓ COPCA for three projects totalling 238,160 euros.

AVCRI assessment activity-2008

	Projects financed	Amount (€)
UB funding	3	57,250
UB- Santander Bank program for assessment projects	10	1,000,000
Public funding	3	238,160

AVCRI transfer activity – 2008

Proposals assessed	39
Patent applications	21
International patent extensions	13
Industrial and intellectual property registered	5
Confidentiality agreements with companies	27
Licence agreements	5

Life Cycle of a Transfer Project



3. The mission of the **Business Centre** is to give support to the initiatives of entrepreneurs, particularly in the creation of new technology-based companies. The Centre is the UB's technology springboard. It is member of the ACCIÓ's Network of Technology Springboards and it works in collaboration with the Patent Centre and the Agency for Assessing and Marketing Research Results (AVCRI).

The Centre's activities include **providing advice to more than sixteen new technology-based companies**. Four of them received financial support from the CIDEM program Gènesi, one received loans from Capital Concept, one received loan approval for CDTI NEOTEC moneys and two signed agreements with private investment funds. In addition, the Centre launched a new line of business, providing **consulting to companies in the biotech sector**; performed **twelve technology audits for UB research groups to uncover opportunities for marketing technologies**; followed up spin-offs with UB share participation through the UB Group member Innovative and Scientific Culture (CIC-UB); contributed to the management of the UniBA Network, a university network of Business Angels, formed by the five Catalan universities with the best track record in technology transfer; and carried out a series of activities to support the **training and promotion of entrepreneurship**.

4. The **Technology Transfer Area** is a vehicle for placing the research potential of the UB at the disposition of public and private companies and institutions and society at large, promoting technological innovation and greater competitiveness.

The Technology Transfer Area participated in a variety of **fairs and conferences** this year in the areas of agriculture and animal husbandry, water, construction, sailing, the environment, chemistry, materials, electronics and machinery. It continued



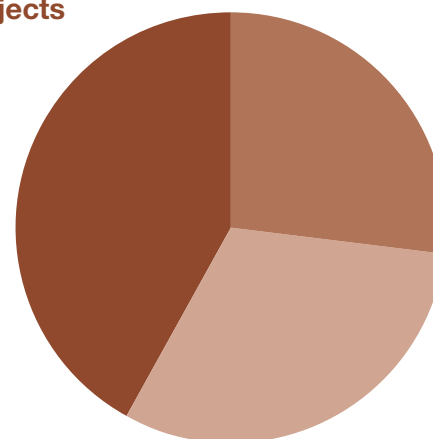
to manage the following **research networks** for the Catalan government: the Reference Network on Food Technology (XaRTA); the Reference Network on Advanced Materials for Energy Research (XaRMAE); the Reference Network on Applied Economics (XREAP); the Reference Network on Economics and Public Policy (XREPP); and the Reference Network on Theoretical and Computational Chemistry (XRQTC). Together with the Barcelona Chamber of Commerce and the ACCIÓ agency of the Catalan government, the UB held the first edition of a program to bolster innovation and enterprise. The **program's aim is to make businesses more competitive and spur growth through innovation**. In addition, the UB set up the Centre for Innovation and Advanced Technologies, with the aim of joining together the groups active in knowledge transfer to encourage their collaboration and promote synergies.

The Technology Transfer Area is also responsible for promoting and managing **contracts and agreements** that researchers establish with the private sector and through Spanish or European public calls. During the year, the total in this area reached 36,667,729 euros through 925 contracts. Contracts with private companies are concentrated in the pharmaceutical and fine chemicals sector, representing 32.73% of all projects and 40.12% of income as principal recipients.

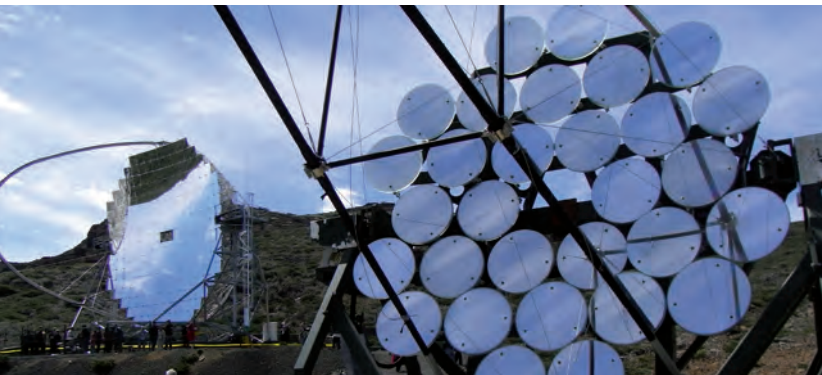
FBG contracts and agreements

	Number	Amount (thousands of euros)
Projects	601	16,080
European projects	34	12,405
Collaboration agreements	240	1,816
Program and service management	50	6,367
TOTAL	925	36,668

Cost of projects



- European Union (34 projects)
- Companies (275 projects)
- Administrations and institutions (326 projects)



THIRD-CYCLE STUDIES

During the academic year, the UB offered a total 68 **doctoral programs**. Of these, 57 were adapted to the European Higher Education Area (EHEA). The UB's doctoral programs consist of two periods: the training period, which is completed as part of one or more than one university master's degree course, followed by the research period (referred to as "doctoral studies"), which finishes with a thesis defence. The UB continued to offer 11 doctoral programs that had not yet been adapted to the EHEA, requiring students to pass 32 credits as a prerequisite before beginning their research work.

Enrolment in university master's degree courses stood at 3,905 students, including affiliated schools and faculties. Of this total, 32.2% were foreign students. Enrolment in the non-adapted doctoral programs stood at 685 students, of which 29.7% came from abroad.

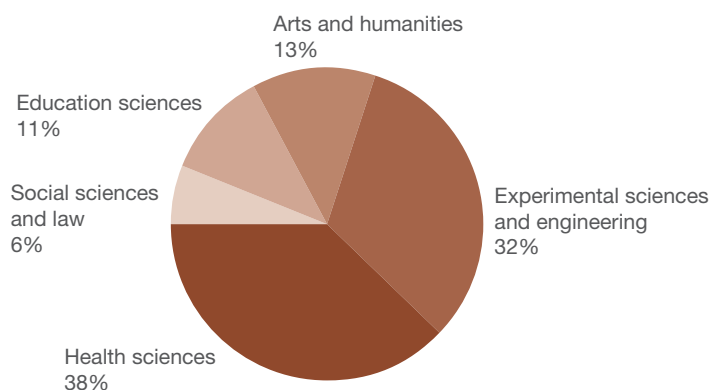
The number of students preparing their doctoral theses totalled 2,734. Of this number, 936 began their period of research in studies adapted to the EHEA. The number of international students was 770, or 28.16% of the total.

The Quality Award in doctoral programs, which is evaluated by ANECA and bestowed by the Spanish Ministry of Education and Science, is given in recognition of quality in doctoral programs offered by Spanish universities. This year, 43 UB programs received the Quality Award and 30 were for doctoral programs adapted to the EHEA. These figures, representing more than 60% of the doctoral studies on offer, place the University of Barcelona among the mostly highly distinguished universities in Spain.

During the academic year, the Ministry of Education and Science undertook a new process to verify EHEA-adapted doctoral programs. The UB submitted the entirety of its offering for the academic year 2009-2010.

The number of **doctoral theses defended** during the academic year stood at 533.

Doctoral theses defended 2008-2009



One of the objectives for doctoral theses is to encourage their dissemination through the Open Access movement. This focuses on the dissemination of scientific knowledge by strengthening tools such as online publication through the network doctoral thesis server (TDX) and participation in the TESEO database of doctoral theses.

The UB has a collection of 5,000 doctoral theses available on microfiche, dating back to 1988. This type of medium has been replaced by online publication as a result of a collabora-

tion agreement between the UB, the Consortium of University Libraries of Catalonia and CESCA, the Supercomputing Centre of Catalonia. Online publication enables doctoral theses to be consulted anywhere in the world and at no cost.

Lastly, the UB processed 503 **applications for doctoral qualifications**, while 65 students received the title “European Doctor”. The number of special awards to doctoral students was 6.

The distribution of **third-cycle grants** for the academic year is listed in the table below. Bodies giving grants included the Spanish Ministry of Education and Science (MEC), the Catalan government (GC) and the University of Barcelona (UB).

	Scholarships		Grants for visiting students	
	Number ¹	Amount ² (thousands of €)	Number	Amount (thousands of €)
University teacher training scholarships (MEC) –FPU–	281	3,512	68	353
Research training scholarships (MEC) –FPI–	242	2,814	62	378
Research training scholarships (GC) –FI–	221	3,347	-	-
Research training scholarships (UB) –APIF–	210	2,252	50	139
Research training scholarships (UB-specific program) ³	12	101	-	-
TOTAL	966	12,026	180	870

¹ Includes renewals of existing scholarships and contracts.

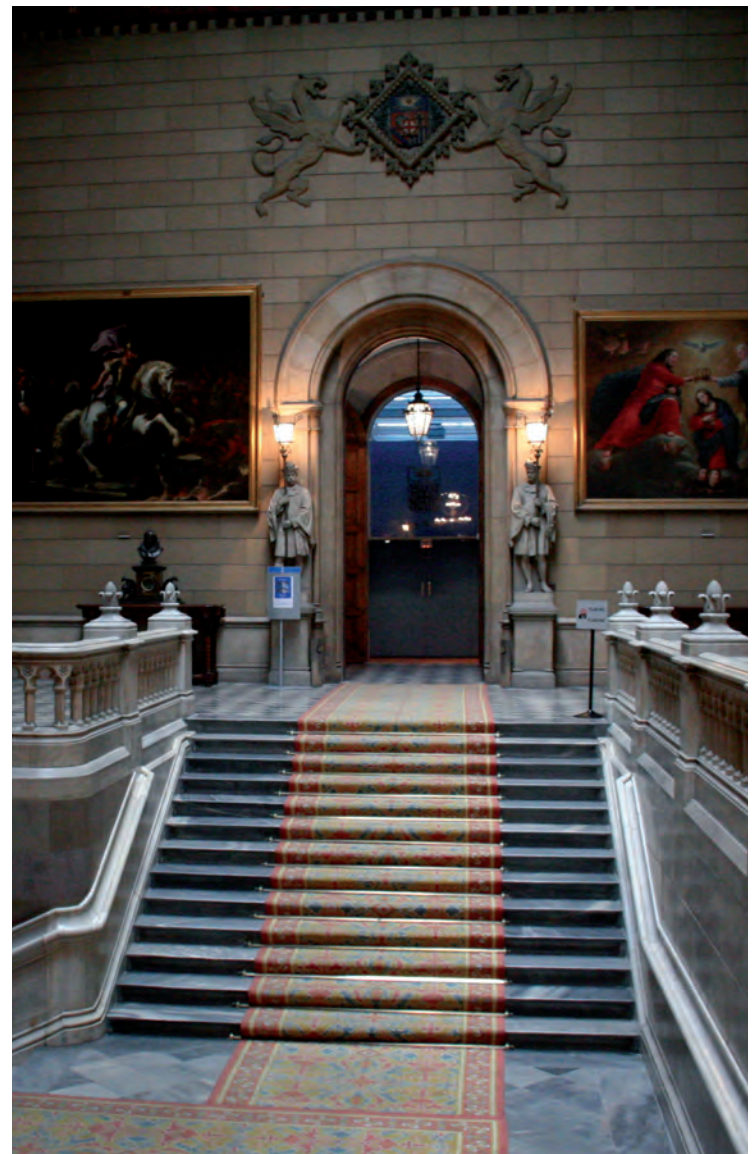
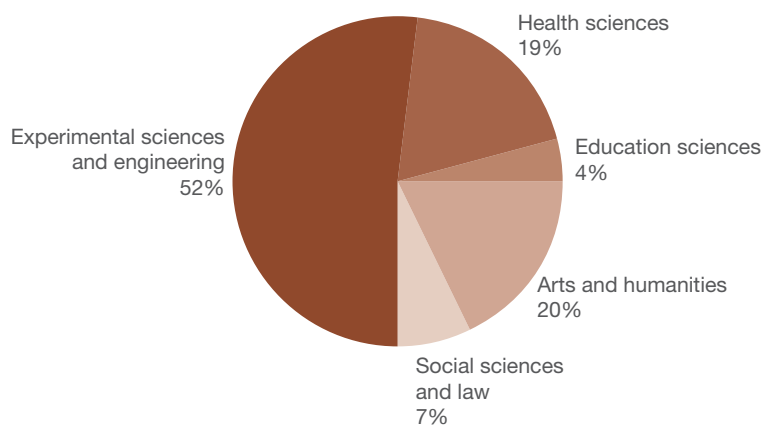
² Does not include the total cost of enrolment.

³ Includes the grants awarded on the UB-specific program, distinctions, non-distinctions, ADQUA and FI-G.

With respect to mobility grants for students in doctoral programs recognized with the Quality Award, the UB processed 33 applications and awarded 25 grants totalling approximately 84,120 euros.

In addition, the UB processed 34 applications for financial assistance to obtain the title of “European Doctor”. Of these, 29 students received financial assistance totalling approximately 136,150 euros.

Distribution of third-cycle grants by study area





5

A UNIVERSITY WITH INTERNATIONAL REACH

Academic offering
International institutional activity
Participation in international exchange
programs and other programs
Other actions in support of international mobility



«The challenge facing us is to stand amongst the best universities in Europe and become a centre of reference in all fields; and we should also be encouraging other people from outside Spain to come and study here.»

Esther Pérez, lecturer at the Faculty of Medicine and researcher in neuroscience



«I recommend the University of Barcelona to students from China because it offers the learner more than ten levels of Spanish and the teaching method is rigorous, but friendly.»

Wang Xiao Wei, Chinese, student in the Institute of Hispanic Studies

The **international reach** of the University of Barcelona has been a constant priority for the institution. To strengthen and expand its recognition around the world, the University is an active member of international and national networks such as the European Universities Association (EUA), the Hispanic Association of Colleges and Universities (HACU) and the Coimbra Group. In addition, the UB has signed agreements and undertaken specific projects with universities in foreign countries such as Panama, Brazil, Mexico and China. Likewise, the UB provides strong support for mobility and exchange programs among faculty members and administrative and service staff.

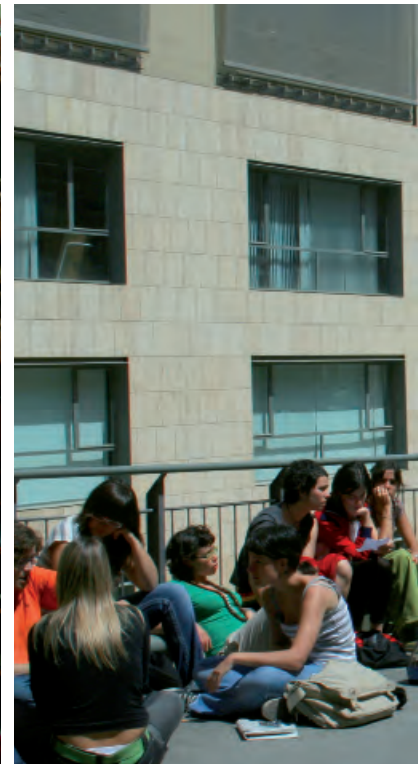
The **international policy** of the University of Barcelona is aimed at turning the increasingly international nature of the institution into a driver for innovation, particularly in the UB's processes. The goal of internationalization at home focuses on better mastery of languages among UB staff; improved external communication, signage and web pages, and more visible international relations. At the same time, internationalization is also intended to bring about more cross-fertilization among UB Vice-Rectors' Offices, schools and faculties, and departments.

In addition, the policy aims to strengthen and expand the image of the UB worldwide, taking advantage of its tradition abroad and its strong position in international university rankings. The location and international renown of Barcelona are also factors strongly in the UB's favour.

ACADEMIC OFFERING

The UB continues to offer two **double degrees** in Law jointly with the University of Puerto Rico and Nova Southeastern University in the United States. Enrolment included 9 UB students, with 5 attending the former program and 4 attending the latter one. Foreign enrolment in the two programs stood at 15 students (10 and 5, respectively), who have studied at the UB as part of their degree.

During the academic year 2008-2009, the UB continued to offer two joint official master's degrees under the EU's **Erasmus Mundus** (Action 1) program: the European Master on Work, Organizational and Personnel Psychology (WOP-P) and the Master's degree Quality in Analytical Laboratories.





INTERNATIONAL INSTITUTIONAL ACTIVITY

In order to promote its international activity and presence, the UB took a further series of steps this year as part of the **Erasmus Lifelong Learning Program**, focusing on student mobility in work placements and training mobility for administrative and service staff (hereafter, AdSS) and teaching and research staff (hereafter, TRS). In the context of Latin America, the UB joined the new CINDA program to foster student mobility among the participating countries Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, the Dominican Republic, Ecuador, Mexico, Panama, Peru and Venezuela.

The number of exchanges and projects in which the UB took part consolidated its position as a leader in Europe and internationally, confirming the strength of its appeal to international teaching and research staff as well as international students. In the past academic year, successful UB applicants in the general call for MAEC-AECID grants rose 72.5%.

In the area of **international student mobility** in existing undergraduate degrees, diplomas and engineering degrees and in the new university master's degree courses and doctoral programs, the UB students continued to perform well in winning mobility grants in a variety of general calls for funding. Similarly, student interest remained strong in grant applications for UB financial aid supporting short-stays in foreign universities. Financial aid of this sort was available through grants offered jointly by the Office of the Vice-Rector for International and Institutional Relations and the Office of the Vice-Rector for Students and Language Policy; grants offered jointly by the Office of the Vice-Rector for International and Institutional Relations and the Bancaja Foundation; and the Santander-CRUE grant program for Ibero-American mobility.

With respect to the **TRS mobility**, the UB fostered participation in international educational projects promoted by national and international bodies and promoted international mobility, in addition to establishing a system for welcoming visiting overseas teaching staff that ensures access to the UB's full range of services.

In the **European arena**, the UB contributed to progress on the European Higher Education Area. In this respect, the UB took steps in the area of student and TRS international mobility, particularly in the context of the Erasmus program. The UB also took a more active part in the international networks of which it is a member, including the ISAC cooperation project with Brazil (coordinated by the University of Coimbra) under the Erasmus Mundus-External Cooperation Windows project. The project enabled 4 Brazilian students to attend the UB, while 2 UB students were able to study in Brazil.

In **Central and South America**, the priority of the UB was to devise a coordinated strategy with respect to the universities there. The aim was to consolidate and strengthen the collaboration and cooperation relations which the UB has historically enjoyed in the region.

The UB also strengthened specific cooperation relations with academic institutions in the countries of the **Maghreb and sub-Saharan Africa** by means of academic cooperation programs.

The UB's existing agreements with academic institutions in the United States, Canada and Australia led to an increase in shared activities.



PARTICIPATION IN INTERNATIONAL ACADEMIC EXCHANGE PROGRAMS AND OTHER PROGRAMS

During the academic year 2008-2009, the UB hosted 1,748 **visiting students**. Of these, 1,633 participated in international exchange programs, while 115 received international exchange grants. In addition, 790 UB students spent periods of study in universities abroad.

EUROPE (EUROPEAN UNION)

Erasmus Program: Lifelong Learning Program

The lifelong learning program took a variety of steps to encourage mobility, language learning and educational innovation, drawing on the participation of teaching and research staff (TRS) and administrative and service staff (AdSS) staff, as well as students.

Student mobility

Under the Erasmus program, the University of Barcelona maintained bilateral agreements with 452 universities in European Union member states and other countries associated with the program (i.e., Iceland, Liechtenstein, Norway and Turkey).

In the area of student mobility, 664 UB students spent periods of study in European universities under the program (654 received financial assistance), representing an increase of 4.24% with respect to the previous academic year.

The Office of the Vice-Rector for International and Institutional Relations (VRII) provided ongoing support for mobility. The table below sets out the amounts per student and the recipient numbers:

Amounts in financial aid per student and recipient numbers

	Amount (€) per student	Number of recipients
Erasmus grants – Autonomous Organism for European Educational Programs (OAPEE)	185 €/month	654
Erasmus MEC complementary grants	190 €/month	654
Erasmus MEC complementary grants (general grantholders)	420 €/month	65
Erasmus Intensive Language Courses supplementary grant	225 €	17
Complementary grants from the Offices of the Vice-Rector for International and Institutional Relations and of the Vice-Rector for Students and Language Policy	200 €	526
Bancaja international grants program	300 €	242
Language courses grant, UB School of Modern Languages (EIM)	-	268

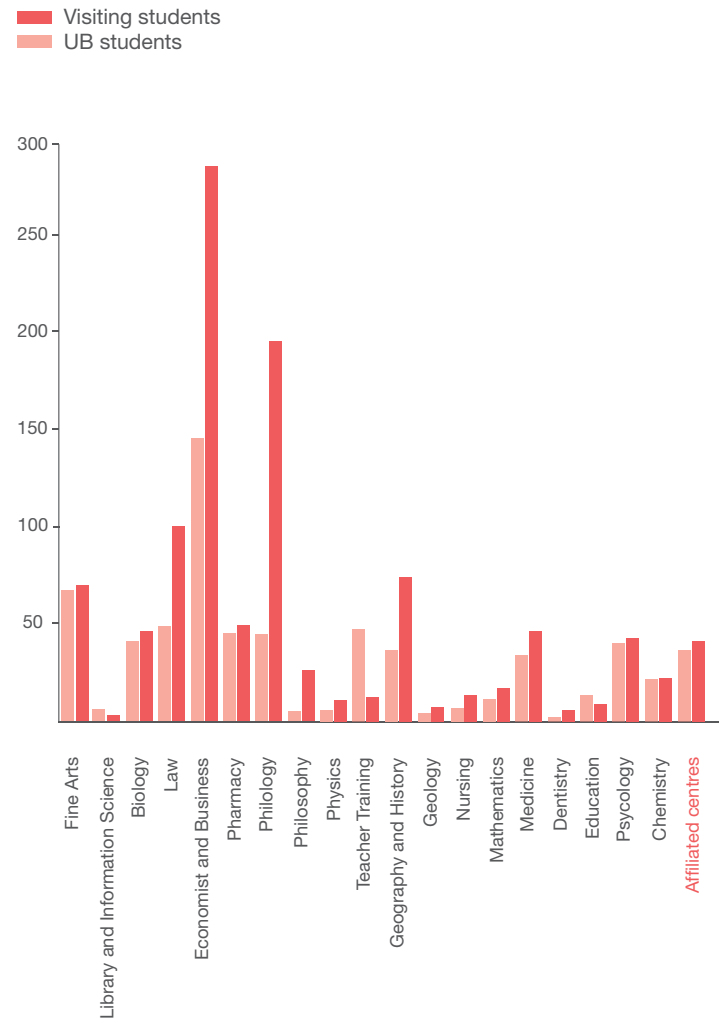
The number of visiting Erasmus students who pursued studies at the UB stood at 1,083. As in previous years, the geographical distribution reflected a continuing presence of students from Italian, German and French universities; an increase in students from Dutch and Portuguese universities;

and a decline or no change for students from elsewhere. UB students chose Italy, the Netherlands, France, the UK and Germany as their primary destinations.

The distribution of UB students participating in the Erasmus program, by teaching staff, featured an increase over the previous year in Law, Fine Arts, Psychology, Teacher Training, and Geography and History.



Students on the Erasmus program, 2008-2009; distribution by UB faculty and school





Teaching and Research Staff mobility

During the academic year, TRS mobility under the Erasmus program resulted in 55 week-long stays in European universities, with the most common destinations being Italy, Portugal and Germany.

Administrative and service staff mobility

After the pilot for training mobility begun last year with staff from the UB unit Mobility and International Programs (OMPI), the first call for mobility grants for UB AdSS offered 27 grants and awarded 10.

Financial summary

Lastly, the total amount of financial support awarded for Erasmus mobility stood at 2,343,527.15 euros, representing an increase of 14.17% over the previous year.

Erasmus Mundus Program

Under Action 1 of the Erasmus Mundus program of the European Commission, the UB continued its participation in the Master on Work, Organizational and Personnel Psychology (WOP-P) and initiated the Master in Quality in Analytical Laboratories. In the 2009 call, the European Commission chose two of the master's degrees in which the University of Barcelona participated in the application: the degree Photonics Engineering, Nanophotonics and Biophotonics (NanoBioPhotonics), coordinated with the Paul Cézanne University (Aix-Marseilles III), and the degree Learning and Teaching of Spanish in Multilingual and International Contexts (EMLTE).

The UB also took part in Action 4 of the program, with the project BALANCE - Bologna - A Long-term Approach to New Certification in Europe.

* «It's true that the UB may not have quite the same prestige as universities like Cambridge or Oxford, but I think we graduate from the UB fully prepared for what's out there. I saw this firsthand, on a stay abroad, and I can say that I was as prepared as other international students in my academic year or even more so.»

Jacob Varela, Chemistry student

Coimbra Group

The Student European Network, which has 18 member universities, brought 4 European students to the UB for periods of study, while 4 UB students went to other universities in the group.

With respect to TRS mobility, the UB hosted a visiting professor from Bosnia and Herzegovina to pursue research in the Faculty of Physics under the Eastern Neighbouring Countries Hospitality Scheme.

Financial support for the Erasmus program

	Amount €
Funding from the Autonomous Organism for European Educational Programs:	
for language training	3,375
for practicals	33,222
for student mobility	864,071
for TRS mobility	35,660
for training	18,020
for mobility organization	92,072
Complementary contributions:	
Ministry of Education and Science, for student mobility	681,750
AGAUR (Generalitat de Catalunya), for student mobility	397,200
Bancaja Foundation, for student mobility	79,000
the UB Offices of the Vice-Rector for International and Institutional Relations and of the Vice-Rector for Students and Language Policy, for student mobility	120,000
the UB unit Mobility and International Programs, for TRS mobility	19,157
TOTAL FINANCING	2,343,527

Bilateral agreements with Switzerland

International student mobility with Swiss universities is funded by the Swiss government, with characteristics that resemble the Erasmus program, such as tuition exemption and academic equivalence for studies pursued at the host university. During this academic year, 7 UB students and 15 Swiss students took part in these agreements.

Individual applications from European Union member states

The total number of visiting students pursuing this type of mobility stood at 5, while the number of individual applications reached 64. The primary faculties of interest to applicants were Economics and Business, Philology, Geography and History, and Medicine. The largest number of students, by country, came from Germany, thanks in part to funding from the German DAAD program (Deutscher Akademischer Austausch Dienst), and from Poland.

CENTRAL AND EASTERN EUROPE (NON-EUROPEAN UNION MEMBERS)

Student mobility

As part of the general call for MAEC-AECID grants, a student from Serbia was the recipient of funding to pursue doctoral studies in the Faculty of Pharmacy.

UNITED STATES AND CANADA

Student mobility

The number of bilateral agreements with the United States and Canada stood at 11: 3 general agreements (the University of Pennsylvania, the University of York and the University of Montreal), and 8 specific agreements with four UB schools and faculties, including two double-degree programs with the United States. The total number of UB students studying in the two

countries was 34: 25 in the US (9 of which participated in the double-degree programs) and 9 in Canada. Visiting students from the US and Canada numbered 30: 19 from the US (a number of which participated in the double-degree programs) and 11 from Canada.

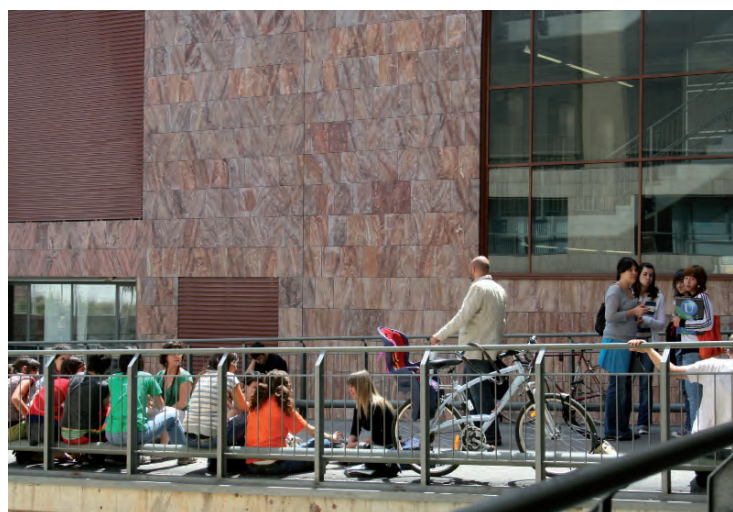
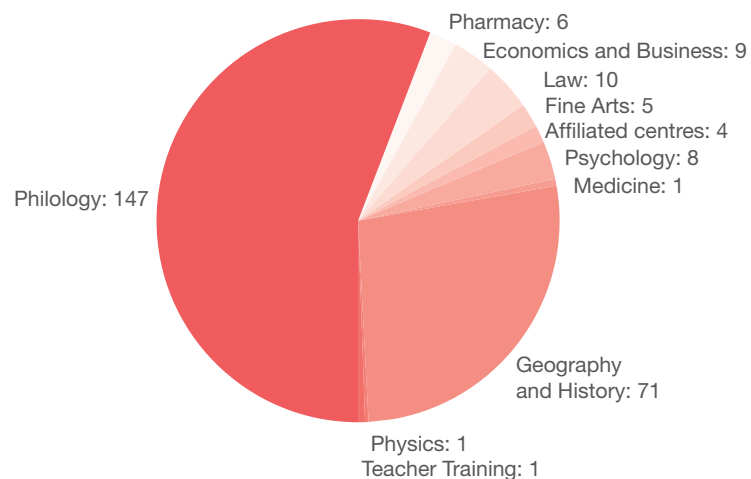
By agreement, the UB maintains Study Abroad programs with the University of California and of Illinois, the University of Pennsylvania, Dartmouth College, Knox College, Brethren Colleges Abroad (BCA), the Barcelona Centre for International Studies (BCIS), Council on International Studies (CIEE) and the Consortium for Advanced Studies in Barcelona (CASB) program. A total of 230 students from the US spent periods of study at the UB as part of these programs. In addition, 4 UB students received financial aid through the BCA program to study in the US.

Individual applications enabled 3 UB students to study in the US and 3 students from the US to study at the UB.

TRS mobility

Through financial assistance for international projects and TRS mobility, the UB received funding for a project with the University of York (Canada) and two projects with the US universities, specifically the University of California, San Diego and the University of Pennsylvania.

Visiting students from the USA and Canada; distribution by UB faculty and school



LATIN AMERICA

Student mobility

The total number of bilateral agreements with countries in Latin America was 17: 11 general agreements and the rest specific ones involving nine UB schools and faculties. In total, 34 UB students studied in Latin American universities, while 60 visiting students came to the UB. The participating UB students predominantly went to Mexican universities and Mexico was also the country from which the highest number of visiting students came to the UB.

With respect to individual applications, the UB was host to a total of 126 students from the Latin American universities, principally from Brazil and Mexico, while 16 UB students took advantage of this type of mobility.

During the academic year 2008-2009, 83 students from Latin America pursued third-cycle studies or research stays at the UB under MAEC-AECID general funding. Of these, 62 won new grants, while 21 received grant renewals.

Under the Carolina Foundation-AECID program, the UB hosted 8 students pursuing doctoral studies.

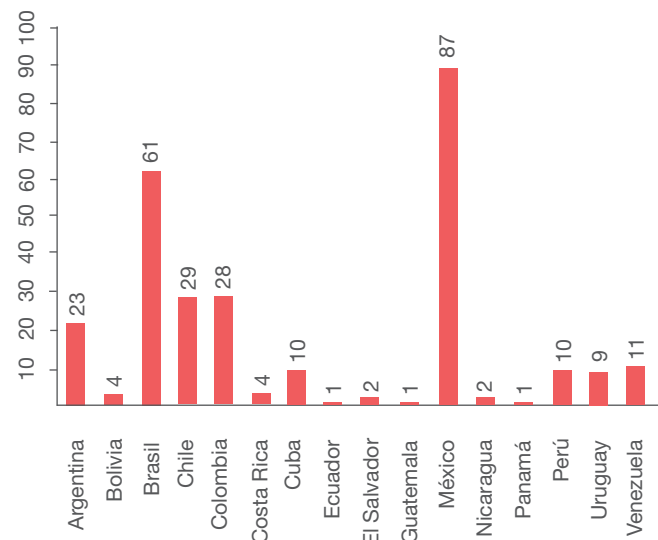
TRS mobility

UB teaching staff received 9 grants in the context of bilateral agreements to support TRS mobility, while 7 visiting lecturers were recipients of similar funding.

Under the UB's agreement with the National Autonomous University of Mexico (UNAM), 5 UB lecturers and 3 UNAM lecturers took part in exchanges. In the case of the agreement with the University of Havana, 4 UB lecturers and 4 visiting lecturers participated.

During the academic year 2008-2009, the Ibero-American interuniversity cooperation program (through PCI-Ibero-American project funding) brought 118 visiting Latin American lecturers to the UB and funded 115 stays by UB lecturers in Latin American universities. In the project funding call for 2008, the UB won 30 grants (18 in research, 5 for teaching, 4 for supplementary actions and 4 for integrated actions).

Visiting students from Latin America; distribution by country



In addition, 4 UB projects with Brazil won funding through the Spanish Ministry of Education and Science's program to support interuniversity cooperation between Brazil and Spain.

Under the UB's call for funding to support international projects and TRS mobility, grants went to 14 projects and 13 UB lecturer stays in Argentina, Brazil, El Salvador, Mexico, Peru and Uruguay, while 4 lecturers from Argentina, Brazil and Mexico won grants for stays at the UB.

In the 2009 call for funding of international development cooperation projects, the UB's Office of the Vice-Rector for International and Institutional Relations awarded a total of 6 grants split among Bolivia (4), Paraguay (1) and Peru (1).

The Catalan Development Cooperation Agency awarded financial aid to 3 UB projects with Bolivia in its call for funding to support university projects that create awareness, provide education and training, build capability and conduct research in the area of cooperation development.

THE MAGHREB, ARAB COUNTRIES, MEDITERRANEAN AREA AND SUB-SAHARAN AFRICA

Student mobility

A total of 20 students from universities in the Maghreb, Arab countries and the Mediterranean area pursued doctoral and postgraduate studies at the UB with funding through MAEC-AECID grants. Of these students, 14 were recipients of new grants, while 6 received grant renewals.

TRS mobility

Under the interuniversity cooperation program with Algeria, Egypt, Jordan, Tunisia and Morocco (financial assistance for MAEC-AECID and PCI-Mediterranean projects), the UB

funded 3 projects with Moroccan universities, 11 projects with Tunisian universities and 1 project with Egyptian universities. Through these projects, 54 UB lecturers pursued stays abroad, while 51 visiting lecturers came to the UB.

In addition, a project with Tunisia and a project with Israel were recipients of grants through the UB's call for funding in support of international projects and TRS mobility.

Three grants went to projects with Algeria, Morocco and Senegal under the 2009 call for funding to provide support to international development cooperation, sponsored by the Office of the Vice-Rector for International and Institutional Relations.

The Catalan Development Cooperation Agency awarded financial assistance to 1 UB project with the Democratic Republic of Congo in its call for funding to support university projects that create awareness, provide education and training, build capability and conduct research in the area of cooperation development.

ASIA AND OCEANIA

Student mobility

The UB has 7 bilateral agreements of a general nature, assisting 13 UB students and 7 international students in the academic year. In the case of students submitting individual applications, the UB received a total of 4 from universities in New Zealand and South Korea and no UB student went abroad.

Under the general call for MAEC-AECID financial assistance, the UB awarded 2 grants to students from the Philippines to pursue postgraduate and doctoral studies at the

UB and 1 grant for a visiting student from India to conduct postdoctoral research.

TRS mobility

In the context of the UB's 2009 call for funding to support international projects and TRS mobility, the UB granted financial assistance to two projects with China and Iran.

The Catalan Development Cooperation Agency awarded financial aid to 1 UB project with Tibet in its call for funding to support university projects that create awareness, provide education and training, build capability and conduct research in the area of cooperation development.

SUMMARY TABLES ON STUDENT MOBILITY, TRS AND ADSS MOBILITY AND INTERNATIONAL PROJECTS

Student exchanges by exchange program 2008-2009

Program	UB students	Visiting students
ERASMUS	664	1,083
ERASMUS Mundus	6	-
ERASMUS Mundus. Ext. Coop. Windows	12	4
ERASMUS Practicals	14	-
Coimbra Group	4	4
Bilateral agreements	88	112
Individual applications	12	197
Specific USA programs (Study Abroad)	-	230
CINDA program	-	2
European Mobility Scheme for Physics Students	-	1
MAEC-AECID	-	107
Carolina-AECID Foundation	-	18
TOTAL	790	1,748



Student exchanges by exchange program and geographic area 2008-2009

Program	Students	Europe (UE)	Central and Eastern Europe (non UE)	USA and Canada	Latin America	M, AC, MED, SSA*	Asia and Oceania	TOTAL
ERASMUS	UB	664	-	-	-	-	-	664
	International	1,083	-	-	-	-	-	1,083
ERASMUS Mundus	UB	6	-	-	-	-	-	6
ERASMUS Mundus. Ext. Coop. Windows	UB	-	-	-	2	-	-	2
	International	-	-	-	4	-	-	4
ERASMUS Practicals	UB	14	-	-	-	-	-	14
Coimbra Group	UB	4	-	-	-	-	-	4
	International	4	-	-	-	-	-	4
Bilateral agreements	UB	7	-	34	34	-	13	88
	International	15	-	30	60	-	7	112
European Mobility Scheme for Physics Students	International	1	-	-	-	-	-	1
CINDA program	International	-	-	-	2	-	-	2
Individual applications	UB	5	-	3	4	-	-	12
	International	64	-	3	126	-	4	197
<i>Specific USA programs (Study Abroad)</i>	International	-	-	230	-	-	-	230
MAEC-AECID	International	-	1	-	83	20	3	107
Carolina Foundation	International	-	-	-	8	-	-	8
TOTAL	UB	700	-	37	40	-	13	790
	International	1,167	1	259	283	20	14	1,748

* the Maghreb, Arab countries, the Mediterranean and Sub-Saharan Africa

TRS and AdSS mobility in exchange programs 2008-2009

	TRS UB	AdSS UB	International TRS	International AdSS
ERASMUS program	55	10	-	1
Coimbra Group	-	-	1	-
Bilateral agreements (Latin America)	9	-	7	-
PCI-Ibero-America (AECID)	115	-	118	-
PCI-Mediterranean (AECID)	54	-	51	-
Grants for TRS projects and mobility (UB Office of the Vice-Rector for International and Institutional Relations)	23	-	8	-
TOTAL	256	10	185	1

Number of international projects for UB TRS and their financing (outside Europe), 2008-2009

	USA and Canada	Latin America	M, AC, MED, SSA*	Asia and Oceania	Total number of grants	Total amount awarded
Grants for financing TRS projects and mobility (UB Office of the Vice-Rector for International and Institutional Relations)	3	14	2	2	21	34,055 €
Grants for financing international development cooperation projects (UB Office of the Vice-Rector for International and Institutional Relations)	-	6	3	-	9	59,568 €
PCI (MAEC-AECID)	-	30	15	-	45	769,200 €
Programa Hispano Brasileño de Cooperación Inter Universitaria (Ministry of Education and Science)	-	4	-	-	4	24,270 €
Development cooperation call (Catalan Agency for Development Cooperation)	-	3	1	1	5	193,194 €
Total number of grants	3	57	21	3	84	1,080,787 €
Total amount awarded	5,600 €	862,144 €	162,238 €	50,805 €		

* the Maghreb, Arab countries, the Mediterranean and Sub-Saharan Africa

OTHER ACTIONS IN SUPPORT OF INTERNATIONAL MOBILITY

Development cooperation

Under the AECID permanent open call for funding (2008), one project won support totalling 18,000 euros. The project focuses on an intensive program for training university educators in methodology and management. The UB is working on the project with the Uzbek State World Languages University in Uzbekistan, the National University of Vietnam and the National University of Kinshasa in the Democratic Republic of Congo.

Support in the processing of residents' permits

The UB processed a total of 90 work permits and 1,384 short-stay permits for students and close family members, i.e., spouses and dependent minors. The student breakdown, by region, was 67.4% from Latin America, 17.5% from Asia and Oceania, 5.6% from the US and Canada and 5.2% from the Maghreb, Arab countries and the Mediterranean area.

The distribution by school and faculty reflects a concentration in the courses offered by the Institute of Hispanic Studies, with 15.2%, followed closely by studies in the Faculty of Economics and Business, with 12.7%.

Welcome program for visiting teaching and research staff

During the academic year 2008-2009, the UB issued 121 cards to visiting teaching and research staff, giving them access to the UB's wide range of services. More than three-quarters of the cards issued went to teaching and research staff from Latin America.



