

Subject: Public competition for admission to PhD courses - XXIX cycle

### THE RECTOR

CONSIDERING	Law n. 210 of July 3, 1998, art. 4;
CONSIDERING	Law n. 240 of December 30, 2010, art. 19;
CONSIDERING	the Ministerial Decree n. 45 of February 8, 2013, published in the Official
	Journal n. 104 of May 6, 2013;
CONSIDERING	the University of Pavia Statute;
CONSIDERING	the University of Pavia "Regulations for PhD courses" n. 1223 of July 24,
	2013;
CONSIDERING	the reports of the Evaluation Committee (NUV) and the Boards of the PhD
	Schools;
CONSIDERING	the resolution of the Board of Directors of the PhD Schools;
CONSIDERING	the resolution of the Administrative Senate of July 15, 2013;
CONSIDERING	the resolution of the Administrative Council of July 19, 2013;
CONSIDERING	the need to issue the call for applications for public competitions to be
	admitted to the PhD courses, XXIX cycle, to be taken at the University of
	Pavia

#### DECREES

### Art. 1 Institution

- 1. The University of Pavia hereby institutes the XXIX cycle (Academic Year 2013/2014) of PhD courses.
- 2. Public competitions for admission to the PhD courses at the University of Pavia are hereby announced. The courses are listed below, with an indication of the location, course director, positions available, scholarships and other funding, selection procedure, admission test timetable and programmes offered.



- 3. The PhD courses have a legal duration of three years, starting from November 1, 2013, and are grouped into three macro areas.
- 4. The number of PhD positions mentioned in this document may be increased, with subsequent provisions, if additional funding from public institutions or qualified private organisations is made available after the publication of the announcement. In any case, the deadline for applications will remain unchanged and any eventual increase in the number of scholarships will be advertised on the website referred to in para. 6.
- 5. The funding provided by external entities will be assigned provided an agreement is reached between the University and the entity involved.
- 6. <u>This call for applications is equivalent to a notification to all intents and purposes.</u> Further modifications, updates or additions to its content will be announced <u>exclusively</u> on the <u>http://www.unipv.it/dottorati</u> website.
- 7. The presentation of the application as outlined in art. 5 implies the acceptance by the candidate of the rules contained in this announcement. Failure to respect these rules will result in the candidate being excluded from the competition.

### MACRO-AREA IN SCIENCE AND TECHNOLOGY

### PHD IN PHYSICS

LOCATION: DEPARTMENT OF PHYSICS;

DIRECTOR: Prof. MAURO CARFORA;

DURATION: 3 years;

SCHOLARSHIPS:	10	<ul> <li>6 scholarships funded by the University of Pavia;</li> <li>2 scholarships funded by the National Institute of Nuclear Physics;</li> <li>1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "ICT and electronics";</li> <li>1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "Energy efficiency, renewable energy development, and distributed microgeneration"</li> </ul>
POSITIONS WITHOUT SCHOLARSHIPS:	5	
POSITIONS:	15	



**ADMISSION PROCEDURE: qualifications assessment and interview:** candidates are allowed to take the interview in English or French;

Candidates resident abroad and, if they have a justifiable need, candidates living in Italy are allowed to take a web-based interview via video conference, provided a written e-mail request to <u>concorso-dottorati@unipv.it</u> is made at the same time as the application submission.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) exams taken during the candidate's degree courses, bearing the mark (up to 4 points); b) Masters thesis, publications and professional experience (up to 2 points). A 4-page abstract of the thesis must be attached to the application; if possible, the complete thesis should also be made available online. Publications and similar documents must be attached to the application in their complete version; c) outline of the research project (max 2 pages), in Italian or English. This will not be binding if the candidate is admitted onto the PhD course (up to 2 points); d) a maximum of 2 presentation letters from professors from the university where the degree was awarded, submitted by the author to concorso-dottorati@unipv.it no later than September 18, 2013 at 17:00 (Italian time). The subject field must bear the candidate's name, surname and the PhD course denomination (up to 2 points).

The results of the qualifications assessment will be published online no later than October 15, 2013.

The results will be posted on the "Dipartimento di Fisica" noticeboard and in the Reserved Area of the University website. This can be accessed using the login information provided during registration.

INTERVIEW: October 22, 2013, at 9:00 (Italian time), Physics Department, Via Bassi n. 6, Pavia

The interview will concern the main topics covered by the PhD and the research project.

The interview by video conference will start at 14:00 pm (Italian time). The candidates will be asked to show a valid identification document. The University of Pavia does not accept any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: http://www-2.unipv.it/dottorati/scienzeetecnologie/fisica/n/web\_PhD/

The following topics are foreseen:

- a) Nuclear and subnuclear physics;
- b) Theoretical and mathematical physics;
- c) Condensed matter, optical physics, quantum information;
- d) Interdisciplinary and applied physics.

### PHD IN MATHEMATICS AND STATISTICS

LOCATION: "F. CASORATI" DEPARTMENT OF MATHEMATICS;

DIRECTOR: Prof. GIAN PIETRO PIROLA;

DURATION: 3 years;

SCHOLARSHIPS:	5	4 scholarships funded by the University of Pavia; 1 scholarship funded by the Department of Mathematics, financed by ERC StG 307119, for the "Stability and wall- crossing in algebraic and differential geometry" research project
POSITIONS WITHOUT	3	



SCHOLARSHIPS:		
POSITIONS:	8	

**ADMISSION PROCEDURE: qualifications assessment and interview:** candidates are allowed to take the interview in English;

Candidates resident abroad are allowed to take a web-based interview by video conference, provided a written e-mail request to <u>concorso-dottorati@unipv.it</u> is made at the same time as the application submission.

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) *curriculum vitae* (up to 2 points); b) exams taken during the candidate's degree courses, bearing the mark (up to 3 points); c) at least one letter of presentation, in Italian or English, to be submitted by the author to concorsodottorati@unipv.it by September 18, 2013 at 17:00 pm (Italian time); the subject field must bear the candidate's name, surname and the PhD course denomination (up to 3 points); d) Masters thesis (or abstract), preprints and publications (up to 2 points).

The results of the qualifications assessment will be published online no later than October 8, 2013.

The results will be posted on the "Dipartimento di Matematica" noticeboard and in the reserved area of the University website. This can be accessed using the login information provided during registration.

**INTERVIEW: October 15, 2013, at 10:00 (Italian time)** - "F. Casorati" Department of Mathematics - via Ferrata n. 1 – Pavia

The interview will concern the main topics covered by the PhD.

The interview by video conference will begin at 14:00 pm (Italian time). Candidates will be asked to present a valid identification document. The University of Pavia does not accept any responsibility for a candidate's failure to take the interview due to technical difficulties.

INFORMATION: http://www-dimat.unipv.it/~matstat/?q=en/node/550

The following programmes are foreseen:

- a) Mathematics and scientific calculus;
- b) Probability and statistics.

PLEASE NOTE: Candidates who are interested in the scholarship funded by the Department of Mathematics, for the "Stability and wall-crossing in algebraic and differential geometry" research project, must state their interest to the examining committee before the interview; these candidates' interviews will therefore also include a discussion of the project topics. The admissions committee is tasked with assessing all scholarship applications and draw up a specific ranking list.

### PHD IN CHEMICAL AND PHARMACEUTICAL SCIENCES

LOCATION: DEPARTMENT OF CHEMISTRY; DIRECTOR: Prof. MAURO FRECCERO; DURATION: 3 years;

SCHOLARSHIPS:	9	6 scholarships funded by the University of Pavia;
		1 scholarship funded by the Italian Ministry of Education,



		Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "Relaunching the Pharmaceutical Industry through organic compounds including those from natural sources for innovative diagnostic applications and as potential drug candidates"; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "Advanced materials (in particular ceramic) for structural applications"; 1 scholarship funded by Eni Corporate University S.p.A. to undertake research in "Innovative Macromolecular Systems for Polymeric and Organic Photovoltaic Applications"
POSITIONS WITHOUT SCHOLARSHIP:	7	
POSITIONS RESERVED FOR HIGHER- EDUCATION APPRENTICESHIPS:	1 *	* This position will be activated provided an agreement is reached between the University and the entity involved
POSITIONS:	17	

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the tests in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) exams taken during the candidate's degree courses, bearing the mark (up to 10 points);

WRITTEN TEST: October 28, 2013, at 14:00 pm (Italian time), at the Department of Chemistry – Aula I (Organic Chemistry Section) - Viale Taramelli n. 10 – Pavia;

ORAL TEST: October 30, 2013, at 14:00 pm (Italian time), at the Department of Chemistry – Aula I (Organic Chemistry Section) - Viale Taramelli n. 10 – Pavia;

INFORMATION: http://phdscchim.unipv.eu/site/home.html

The following programs are scheduled:

- a) Chemical Sciences;
- b) Pharmaceutical Sciences.

PLEASE NOTE: Candidates who are interested in the scholarship funded by Eni Corporate University S.p.A to perform research in "Innovative Macromolecular Systems for Polymeric and Organic Photovoltaic Applications" must state their interest to the examining committee before the interview; these candidates' interviews will therefore also include a discussion of the subjects related to this project. The admissions committee is tasked with assessing all scholarship applications and draw up a specific ranking list.



### PHD IN EARTH AND ENVIRONMENTAL SCIENCES

LOCATION: DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES; DIRECTOR: Prof. M. CHIARA DOMENEGHETTI; DURATION: 3 years;

SCHOLARSHIPS:	7	4 scholarships funded by the University of Pavia;
SCHULARSHIPS:	/	
		1 scholarship funded by the Italian Ministry of Education, Universities and
		Research with funds made available by Ministerial Decree n. 198 of
		October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la
		mobilità degli studenti") to undertake research in "Advanced Materials (in
		particular ceramics) for structural applications";
		1 scholarship funded by the Italian Ministry of Education, Universities and
		Research with funds made available by the Ministry Decree n. 198 of
		October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la
		mobilità degli studenti") to undertake research in "Satellite broadband
		communication systems for safety, prevention and intervention in cases of
		natural disaster and for different end users";
		1 scholarship funded by the Trento Science Museum to undertake
		research in "Bird communities of semi-natural open spaces: the
		intensification of agricultural practices and forest encroachment"
<b>POSITIONS WITHOUT</b>	4	
SCHOLARSHIP:		
POSITIONS:	11	

# ADDITIONAL POSITIONS RESERVED TO CANDIDATES WITH A SCHOLARSHIP FROM A FOREIGN COUNTRY: 2

Candidates applying for these positions will be selected through a qualifications assessment. The examining committee will draw up a specific report and ranking list.

### ADMISSION PROCEDURE: qualifications assessment and interview

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

### QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) exams taken during the

candidate's degree courses, bearing the mark (up to 5 points); b) a research project (max. 5000 characters, spaces included) to be written in Italian or English (up to 3 points); c) other qualifications, publications, letters of presentation (max. 2) (up to 2 points).

### The minimum score to be called for interview is 7/10.

Candidates should include a brief summary of their Masters thesis (max. 2000 characters, spaces included).

The results of the qualifications assessment will be announced no later than **October 16, 2013**. The results will be posted on the "Dipartimento di Scienze della Terra e dell'Ambiente" noticeboard and in the reserved area of the University website (www.unipv.eu). This can be accessed using the login information provided during registration.

**INTERVIEW: October 23, 2013, at 9:30 (Italian time),** Room D7 at the Dipartimento di Scienze della Terra e dell'Ambiente, via Ferrata, 1 - Pavia. The interview will be held in Italian or English and will be an opportunity to verify the candidate's knowledge of English. The interview will consist in a short presentation of the research project (max 15



minutes; the use of technologic support such as slides is strongly encouraged) that is designed to verify the candidate's aptitude for PhD programme research topics. The research project presented by the candidate will not, in any way, be binding if the candidate is admitted onto the PhD course. More details on curricula and research projects are available at the following website: <a href="http://phdsta.unipv.eu/site/en/home.html">http://phdsta.unipv.eu/site/en/home.html</a>

The following programmes are foreseen:

- 1) Applied Earth Sciences;
- 2) Chemistry and Physics of the Earth System;
- 3) Botany and Mycology;
- 4) Ecology and Zoology.

PLEASE NOTE: Candidates who intend to apply for the scholarship funded by the Trento Science Museum, to perform research in "Bird communities of semi-natural open spaces: the intensification of agricultural practices and forest encroachment", must express their interest before the interview begins. The Committee will examine, at the end of the interview, candidates' specific research topics and will publish a separate ranking list.

### PHD IN BIOENGINEERING AND BIOINFORMATICS

LOCATION: DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING;

DIRECTOR: Prof. RICCARDO BELLAZZI;

DURATION: 3 years;

SCHOLARSHIPS:	4	2 scholarships funded by the University of Pavia; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "New applications of biomedical industry"; 1 scholarship funded by the Department of Civil Engineering and Architecture to undertake research in "Computational Biomechanics"
RESEARCH GRANTS:	1	1 research grant to undertake research in "Design and development of workflow mining methods for the analysis of clinical and administrative data in Diabetes Mellitus". The research grant, amounting to € 20.000,00 per year, net of the taxes charged to the University, is financed by the FP VII "Mosaic" research project. Candidates who intend to apply for the research grant must select the appropriate administrative category during the application procedure.
POSITIONS WITHOUT SCHOLARSHIP:	5	
POSITIONS RESERVED FOR A PHD JOINTLY- SUPERVISED WITH COMPANIES:	1	Jansenn-Cilag



POSITIONS:	11	

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the interview in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) exams taken during the candidate's degree courses, bearing the mark (up to 7 points); b) scientific publications (up to 2 points); c) *curriculum vitae* (up to 1 point).

**WRITTEN TEST: October 24, 2013, at 10:00 (Italian time)**, "Aula Seminari" of the Department of Electrical, Computer and Biomedical Engineering (ex "Aula Dipartimento di Informatica e Sistemistica") - Floor D - Via Ferrata n. 1 - Pavia;

**INTERVIEW:** October 25, 2013, at 10:00 (Italian time), "Aula Seminari" of the Department of Electrical, Computer and Biomedical Engineering (ex "Aula Dipartimento di Informatica e Sistemistica") - Floor D - Via Ferrata n. 1 - Pavia;

INFORMATION: http://phdbb.unipv.eu/site/en/home.html

The following programmes are scheduled:

- a) Biogenesis;
- b) Industrial and Eletrical Bioengineering;
- c) Health Informatics;
- d) Bioinformatics.

PLEASE NOTE: Candidates who are interested in the research grant or in the scholarship funded by the Department of Civil Engineering and Architecture must state their interest to the examining committee before the interview; these candidates' interviews will therefore also include a discussion of the project topics. The admissions committee will draw up a specific ranking list.

### PhD IN CIVIL AND BUILDING ENGINEERING / ARCHITECTURE

LOCATION: DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE; DIRECTOR: Prof. FABIO CASCIATI; DURATION: 3 years;

SCHOLARSHIPS:	5	4 scholarships funded by the University of Pavia; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "Broadband communication systems by means of satellites for multiple users to the aim of safety, prevention and intervention in the case of natural disasters"
<b>POSITIONS WITHOUT</b>	3	
SCHOLARSHIP:		
POSITIONS:	8	



ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the interview in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) exams taken during the candidate's degree courses, bearing the mark (up to 2 points); b) scientific publications (up to 2 points), c) *curriculum vitae* (up to 2 points), d) academic degrees obtained in different countries from that of citizenship (up to 4 points).

**WRITTEN TEST: October 21, 2013, at 10:00 (Italian time)**, Department of Civil Engineering and Architecture – Via Ferrata 1, Pavia.

**INTERVIEW: October 22, 2013, at 10:00 (Italian time)**, Department of Civil Engineering and Architecture – Via Ferrata 1, Pavia.

INFORMATION: http://phdicea.unipv.eu/site/en/home.html

The following programs are scheduled:

- a) Composition;
- b) Hydraulic;
- c) Environment & Health;
- d) Seismic;
- e) Structural;
- f) Technologic.

### PHD IN ELECTRONICS, COMPUTER SCIENCE AND ELECTRICAL ENGINEERING

LOCATION: DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING;

### DIRECTOR: Prof. Maria CALZAROSSA;

DURATION: 3 years;

SCHOLARSHIPS:	9	6 scholarships funded by the University of Pavia; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "Broadband communication systems by means of satellites for multiple users to the aim of safety, prevention and intervention in the case of natural disasters"; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "ICT and electronics"; 1 scholarship funded by the Italian Institute of Nuclear Physics – National Laboratories at Legnaro, to undertake research in "Development of laser sources for the SPES project"
POSITIONS WITHOUT	9	



SCHOLARSHIP:		
POSITIONS RESERVED FOR A PHD JOINTLY- SUPERVISED WITH COMPANIES:	2	
POSITIONS:	20	

# ADDITIONAL POSITIONS RESERVED TO CANDIDATES WITH SCHOLARSHIP FROM A FOREIGN COUNTRY: 3;

# ADDITIONAL POSITIONS RESERVED TO CANDIDATES HOLDING A DEGREE AWARDED ABROAD: 2;

Should professors of the Department of Electrical, Computer and Biomedical Engineering have access to research funds, financial support may be made available for these positions.

Candidates applying for the "Additional positions reserved to candidates with scholarship from a foreign country" and for the "Additional positions reserved to candidates holding a degree awarded abroad" will be selected through qualifications assessment and interview in person or via videoconference/webcam. The Committee will draw up specific reports and a separate ranking list.

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the interview in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

**QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS**: a) exams taken during the candidate's degree courses, bearing the mark; b) publications; c) *curriculum vitae*.

- WRITTEN TEST: October 29, 2013, at 9:30 (Italian time), at the Engineering Faculty Via Ferrata n. 1 – Pavia (candidates are advised to refer to the Dean's secretary to find out the class room where the exam will take place);
- **ORAL TEST:** October 30, 2013, at 9:30 (Italian time), at the Engineering Faculty Via Ferrata n. 1 Pavia (candidates are advised to refer to the Dean's secretary to find out the class room where the exam will take place);

INFORMATION: <u>http://www-3.unipv.it/dottIEIE/index\_en.php?pag=English/welcome.html</u>

PLEASE NOTE: Candidates who are interested in the scholarship funded by the Italian Institute of Nuclear Physics – National Laboratories at Legnaro, to undertake research within the topic "Development of laser sources for the SPES project", must state their interest to the examining committee before the interview; these candidates' interviews will therefore also include a discussion of the project topics. The examining committee will draw up a specific ranking list.

### PHD IN MICROELECTRONICS

LOCATION: DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING;

DIRECTOR: Prof. Franco MALOBERTI;



DURATION: 3 years;

SCHOLARSHIPS:	4	2 scholarships funded by the University of Pavia;
		1 scholarship funded by the Italian Ministry of Education,
		Universities and Research with funds made available by
		Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il
		sostegno dei giovani e per favorire la mobilità degli studenti") to
		undertake research in "Energy saving and distributed micro-
		generation";
		1 scholarship funded by the Department of Electrical,
		Computer and Biomedical Engineering.
<b>POSITIONS WITHOUT</b>	6	
SCHOLARSHIP:		
<b>RESERVED POSITIONS</b>	1	
FOR JOINTLY		
SUPERVISED PHD WITH		
COMPANIES:		
POSITIONS:	11	

# ADDITIONAL POSITIONS RESERVED TO CANDIDATES WITH SCHOLARSHIP FROM A FOREIGN COUNTRY: 3;

# ADDITIONAL POSITIONS RESERVED TO CANDIDATES HOLDING A DEGREE AWARDED ABROAD: 2;

Should professors of the Department of Electrical, Computer and Biomedical Engineering have access to research funds, financial support may be made available for these positions.

Candidates applying for the "Additional positions reserved to candidates with scholarship from a foreign country" and for the "Additional positions reserved to candidates holding a degree awarded abroad" will be selected through qualifications assessment and interview in person or via videoconference/webcam. The Committee will draw up specific reports and a separate ranking list.

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the interview in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

QUALIFICATIONS ASSESSMENT: 20 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) exams taken during the candidate's degree courses, bearing the mark (up to 10 points); b) publications (up to 5 points); c) other qualifications (up to 5 points).

WRITTEN TEST: October 28, 2013, at 10:00 (Italian time), at the Engineering Faculty - Via Ferrata n. 1 – Pavia (candidates are advised to refer to the Dean's secretary to find out the class room where the exam will take place);

**ORAL TEST: October 29, 2013, at 10:00 (Italian time)**, at the Engineering Faculty - Via Ferrata n. 1 – Pavia (candidates are advised to refer to the Dean's secretary to find out the class room where the exam will take place);

INFORMATION: <u>http://www-3.unipv.it/dottMICR/index\_en.php</u>



### MACRO-AREA IN LIFE SCIENCE

### PHD IN GENETICS, MOLECULAR AND CELLULAR BIOLOGY

LOCATION: "LAZZARO SPALLANZANI" DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGIES;

DIRECTOR: Prof. ANTONIO TORRONI;

DURATION: 3 years;

SCHOLARSHIPS:	10	9 scholarships funded by the University of Pavia; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "Human health (study and treatment of tumors and degenerative diseases with new approaches derived from the knowledge of the human genome)"
POSITIONS WITHOUT SCHOLARSHIPS:	9	
POSITIONS:	19	

## ADDITIONAL POSITIONS RESERVED TO CANDIDATES HOLDING A SCHOLARSHIPS FROM THE "DUNIA BEAM" INTERNATIONAL MOBILITY PROGRAMME: 3

Candidates applying for these positions will be selected through qualifications assessment only. The committee will draw up specific reports and a separate ranking list.

## ADDITIONAL POSITIONS RESERVED TO CANDIDATES WITH SCHOLARSHIP FROM A FOREIGN COUNTRY: 3;

Candidates applying for these positions will be selected through qualifications assessment and, if necessary, interview in person or via videoconference/webcam. The committee will draw up specific reports and a separate ranking list.

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the interview in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

**QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS:** a) exams taken during the candidate's degree courses, bearing the marks and their average, to be specified in the self-declaration (up to **5** points); b) scientific publications (up to **2** points); c) *curriculum vitae* (up to **1** point); presentation letter in English, submitted by the author to concorso-dottorati@unipv.it no later than September 18, 2013 at 17:00 pm (Italian time). The subject field must bear the candidate's name, surname and the PhD course denomination (up to **2** points).

WRITTEN TEST: September 30, 2013, at 9:30 (Italian time), Aula "Arturo Falaschi" of the CNR Institute of Molecular Genetics - Via Ferrata n. 1 - Pavia;



INTERVIEW: October 2, 2013, at 9:30 (Italian time), Aula "Arturo Falaschi" of the CNR Institute of Molecular Genetics - Via Ferrata n. 1 - Pavia;

INFORMATION: http://phdsgb.unipv.eu/site/en/home.html

The following programmes are foreseen:

a) Cell biology;

b) Medical and molecular genetics;

c) Molecular microbiology and virology;

- d) Experimental pathology and pathological anatomy;
- e) Genetic and molecular sciences.

### PHD IN EXPERIMENTAL MEDICINE

LOCATION: DEPARTMENT OF INTERNAL MEDICINE AND MEDICAL THERAPEUTICS;

DIRECTOR: Prof. CARLOMAURIZIO MONTECUCCO;

DURATION: 3 years;

SCHOLARSHIPS:	6	5 scholarships funded by the University of Pavia; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "New technologies of biomedical industry"
POSITIONS WITHOUT SCHOLARSHIP:	6	
POSITIONS:	12	

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the interview in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

**QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS:** a) *curriculum vitae* (up to 2 points); exams taken during the candidate's degree courses, bearing the mark (up to 2 points); c) former periods of proven research activity at Italian or foreign scientific institutions (up to 3 points); d) published full papers in peer reviewed medical journals (up to 3 points).

WRITTEN TEST: October 16, 2013, at 9:00 (Italian time), Aula Campani – General Surgery branch – Department of Clinical-Surgical, Diagnostic and Pediatric Sciences – "S. Matteo" General Hospital (Surgery division) - Viale Golgi n. 19 – Pavia;

INTERVIEW: October 17, 2013, at 9:00 (Italian time), Aula Campani – General Surgery branch – Department of Clinical-Surgical, Diagnostic and Pediatric Sciences – "S. Matteo" General Hospital (Surgery division) - Viale Golgi n. 19 - Pavia

INFORMATION: http://phdms.unipv.eu

The following programmes are foreseen:



- a) Internal medicine and medical therapeutics;
- b) Experimental surgery and microsurgery.

### PHD IN PSYCHOLOGY, HEALTH AND STATISTICAL SCIENCES

LOCATION: DEPARTMENT OF BRAIN AND BEHAVIORAL SCIENCES;

DIRECTOR: Prof. TOMASO VECCHI;

DURATION: 3 years;

SCHOLARSHIPS:	6	<ul> <li>5 scholarships funded by the University of Pavia;</li> <li>1 scholarship funded by the University of Milano-Bicocca to undertake research in "Alcohol risk alertness in adolescence"</li> </ul>
POSITIONS WITHOUT SCHOLARSHIP:	6	
POSITIONS:	12	

# ADDITIONAL POSITIONS RESERVED TO CANDIDATES WITH SCHOLARSHIP FROM A FOREIGN COUNTRY: 2;

Candidates applying for these positions will be selected through qualifications assessment and interview in person or via videoconference/webcam. The Committee will draw up specific reports and a separate ranking list.

### ADMISSION PROCEDURE: qualifications assessment and interview;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview;

# QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS:

a) motivation letter in Italian or English language (max 500 words) mentioning the name of two referees the Committee may contact for a presentation of the candidate (up to 2 points); b) research project either in Italian or in English (max. 3000 words), related to PhD research themes. The project's structure should be as follows: general introduction about the state of the art relative to the chosen topic; presentation of the research's objectives; description of the methods (procedure, data analysis); discussion of the expected results; evaluation of the theoretical and/or practical implications (up to 5 points); c) exams taken during the candidate's degree courses, bearing the mark (up to 3 points).

The minimum score to be admitted to the interview is 7/10.

The candidates will take care to include their curriculum vitae.

The results of the qualifications assessment will be published online no later than October 10, 2013.

The results will be posted on the "Dipartimento di Scienze del Sistema Nervoso e del Comportamento" noticeboard and in the reserved area of the University website. This can be accessed using the login information provided during registration.

**INTERVIEW: October 23, 2013, starting from 10:00 (Italian time)**, Sala Riunioni, Department of Brain and Behavioral Sciences, Piazza Botta n. 11, Pavia.

The interview will be held in Italian or English and will verify the candidate's knowledge of English. The interview will consist of a short presentation of the research project meant to verify the candidate's aptitude for PhD programme research topics, offering candidates the chance to develop it according with



the disciplinary approach they prefer. The research project presented by the candidate will not, in any way, be binding if the candidate is admitted onto the PhD course.

Candidates resident abroad are allowed to take a web-based interview via video conference, provided a written e-mail request to <u>concorso-dottorati@unipv.it</u> is made at the same time as the application submission.

INFORMATION: contact prof. Vecchi at: psyco@unipv.it

The following programmes are foreseen:

- 1) Experimental Psychology and Cognitive Neuroscience;
- 2) Applied and Developmental Psychology;
- 3) Health Statistics and Clinical Epidemiology;
- 4) Psychiatry, Public Health and Education.

PLEASE NOTE: Candidates who are interested in the scholarship funded by the University of Milano-Bicocca, to undertake research within the topic "Alcohol risk alertness in adolescence", must state their interest to the examining committee before the interview; these candidates' interviews will therefore also include a discussion of the project topics. The examining committee will draw up a specific ranking list.

### PHD IN BIOMEDICAL SCIENCES

LOCATION: DEPARTMENT OF BRAIN AND BEHAVIORAL SCIENCES;

DIRECTOR: Prof. EGIDIO UGO D'ANGELO;

DURATION: 3 years;

SCHOLARSHIPS:	9	8 scholarships funded by the University of Pavia; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "New technologies of biomedical industry"
POSITIONS WITHOUT SCHOLARSHIP:	9	
POSITIONS:	18	

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the interview in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview; QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) exams taken during the candidate's degree courses, bearing the mark (up to 5 points); b) *curriculum vitae* (up to 2 points) c) scientific publications (up to 3 points).

WRITTEN TEST: October 14, 2013 at 9:00 (Italian time) - Department of Brain and Behavioral Sciences (Aula dell'ex Istituto di Fisiologia Generale) – Via Forlanini n. 6 – Pavia



**INTERVIEW: October 15, 2013 at 9:00 (Italian time)** - Department of Brain and Behavioral Sciences (aula dell'ex Istituto di Fisiologia Generale) – Via Forlanini n. 6 – Pavia

INFORMATION: <u>http://www.unipv.eu/site/en/home/academics/research-doctorates---phd/life-science/articolo8056.html</u>

The following programmes are foreseen:

- c) Biochemistry;
- d) Physiology;
- e) Pharmacology;
- f) Neuroscience.

### MACRO-AREA IN HUMANISTIC AND SOCIAL SCIENCES

### PHD IN SCIENCES OF LITERARY AND MUSICAL TEXT

LOCATION: DEPARTMENT OF HUMANITIES; DIRECTOR: Prof. CARLA RICCARDI; DURATION: 3 years;

SCHOLARSHIPS:	5	4 scholarships funded by the University of Pavia; 1 scholarship funded by the "Maria Corti" Foundation
POSITIONS WITHOUT SCHOLARSHIP:	3	
POSITIONS:	8	

#### ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview);

**LINGUISTIC KNOWLEDGE:** candidates' knowledge of English, French, German, Spanish, Portuguese or Russian will be verified during the interview. The chosen language must be indicated in the application.

**RESEARCH PROJECT:** When enrolling, candidates must submit a research project either in Italian or in English (max. 3000 words + bibliography), related to research themes pertaining to the programmes listed below. The project's structure should be as follows: general introduction about the state of the art relative to the chosen topic; presentation of the research objectives; description of the methods and the sources the candidate intends to use; discussion of expected results.

# QUALIFICATIONS ASSESSMENT: 6 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS:

a) synthesis of the degree thesis in either Italian or English (max. 1000 words) (up to 2 points); b) exams taken during the candidate's degree courses, bearing the mark (up to 2 points); c) *curriculum vitae*, possibly including a list of publications (up to 2 points).

### WRITTEN TEST: October 11, 2013, at 14:00 pm (Italian time) in Aula G2, Palazzo San Tommaso, Piazza del Lino n. 2, Pavia

Written test:

1. for the Modern Philology programme: discussion of philological issues referred to crucial critical editions or stylistic analysis (linguistic, syntactic, metrical) of a poetic text.



- 2. for the Foreign Languages and Literatures programme: discussion in the chosen language of either philological-literary or linguistic issues pertaining to authors, texts, textual genres, specific periods of the language and culture, or historical-literary / stylistic / linguistic analysis with comment of a text.
- 3. for the Musicology programme: historical, analytical and stylistic discussion of at least two musical pieces chosen among three different periods and genres proposed by the committee.

The list of candidates selected for the oral exam will be published according to a procedure that will be communicated the day of the written exam.

INTERVIEW: October 17, 2013, at 9:00 (Italian time), Department of Humanities, Literature section – Corso Strada Nuova n. 65 – Pavia

The oral test will be in either Italian or the foreign language chosen by the candidate and will concern:

- 1) a thorough discussion of the research project;
- 2) the assessment of the candidate's competence;
- 3) the assessment of the knowledge of one of the following languages: English, French, German, Spanish, Portuguese, Russian.

### **INFORMATION:** <u>http://lettere.unipv.it/dipslamm/dottorato.php</u>;

http://musicologia.unipv.it/dottorato/index.html; http://lingstran.unipv.eu/site/home/dottorato.html

The following programmes are foreseen:

### Modern philology

Research areas:

- 1. Genetic criticism and textual tradition; critical editions of texts from the origins to the 20th century;
- 2. History of literary criticism;
- 3. Theory of literature;
- 4. Renaissance and Modern literature and culture. Mass literatures;
- 5. Italian linguistics;
- 6. Theatre texts and spaces. Film language: analysis and criticism;
- 7. Metrical theory and analysis;
- 8. Art history, also in connection with literary themes;
- 9. Greek and Latin textual criticism;
- 10. Greek and Latin textual tradition;
- 11. Exegesis and historical-literary analysis of Greek and Latin texts;
- 12. Reception of Greek and Latin texts.

### Modern foreign languages and literatures

Research areas:

The *program* covers 6 areas, interacting also on a comparative basis: English studies; Germanic Philology; French studies; German studies; Spanish and Portuguese studies; Slavonic studies.

Within these linguistic areas, the following fields are foregrounded:

- 1. Critical edition and analysis of Medieval Germanic texts;
- 2. Ancient book studies;
- 3. Criticism of the European and American novel;
- 4. Textual analysis and criticism (theory and practice);
- 5. Literary translation;
- 6. History of the language;



7. Film studies (transcriptions/re-writings/screen-adaptations of literary texts/cinema language and subtitles);

8. History of theatre and drama (script and performance).

### Musicology

- Research areas:
- 1. Critical edition of scores from the Middle Ages to the 21<sup>st</sup> century;
- 2. Music theories and analyses from the Middle Ages to the 21st century;
- 3. Musical theatre from the 17<sup>th</sup> to the 21<sup>st</sup> century;
- 4. Music and literature;
- 5. Music and media;
- 6. Organology and music iconography;
- 7. Ethnomusicology;
- 8. Contemporary popular music.

### PHD IN PRIVATE LAW, ROMAN LAW AND EUROPEAN LEGAL CULTURE

### LOCATION: DEPARTMENT OF LAW;

DIRECTOR: Prof. DARIO MANTOVANI;

DURATION: 3 years;

SCHOLARSHIPS:	5	5 scholarships funded by the University of Pavia
POSITIONS WITHOUT SCHOLARSHIP:	2	
POSITIONS:	7	

**ADMISSION PROCEDURE:** qualifications assessment and tests (written test and interview): candidates are allowed to take the tests in English or French;

**LINGUISTIC KNOWLEDGE:** candidates' knowledge of English, French, German or Spanish will be verified during the interview;

# QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS:

a) average of the marks obtained during the candidate's degree courses, to be stated in the self-declaration (up to 5 points); b) scientific publications, excluding the Masters thesis (up to 2 points); c) other relevant qualifications (up to 3 points).

# **WRITTEN TEST: October 10, 2013 at 10:00 (Italian time)**, at the Department of Law – Corso Strada Nuova 65 - Pavia

### INTERVIEW: October 11, 2013 at 14:00 pm (Italian time), at the Department of Law – Corso Strada Nuova 65 – Pavia.

INFORMATION: http://phddpdecge.unipv.eu/site/home.html

The following programs are scheduled:

- a) Civil law;
- b) Labout law and international relations;
- c) Intellectual property and unfair competition;



- d) Roman Law;
- e) European legal culture;
- f) Roman canon law in Europe.

### PHD IN PUBLIC LAW, CRIMINAL AND INTERNATIONAL JUSTICE

### LOCATION: DEPARTMENT OF LAW;

### DIRECTOR: Prof. CRISTINA CAMPIGLIO;

DURATION: 3 years;

SCHOLARSHIPS:	5	5 scholarships funded by the University of Pavia
POSITIONS WITHOUT SCHOLARSHIP:	2	
POSITIONS:	7	

### ADDITIONAL POSITIONS RESERVED TO CANDIDATES WITH SCHOLARSHIP FROM A FOREIGN COUNTRY: 1;

Candidates applying for these positions will be selected through qualifications assessment and interview in person or via videoconference/webcam, including a test of knowledge of Italian. The Committee will draw up specific reports and a separate ranking list.

### ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview);

**LINGUISTIC KNOWLEDGE:** candidates' knowledge of English, French, German or Spanish will be verified during the interview; foreign candidates will also have to demonstrate adequate knowledge of Italian;

### QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS:

a) exams taken during the candidate's degree courses, bearing the mark (up to **6** points); b) scientific publications (up to **1** point); c) *curriculum vitae* (up to **3** points).

WRITTEN TEST: October 7, 2013 at 9:30 (Italian time), at the Department of Law – Sala Romagnosi - Corso Strada Nuova 65 - Pavia

INTERVIEW: October 8, 2013 at 14:00 pm (Italian time), at the Department of Law – Sala Romagnosi - Corso Strada Nuova 65 - Pavia

INFORMATION: <u>http://dottorati.unipv.eu/on-dip/phddpgpi/Home.html</u>

The following programs are scheduled:

- a) Public law;
- b) Criminal and international justice.

### PHD IN ECONOMICS AND MANAGEMENT OF TECHNOLOGY (DREAMT)

LOCATION: DEPARTMENT OF ECONOMICS AND MANAGEMENT;

DIRECTOR: Prof. GIORGIO RAMPA;



COOPERATING UNIVERSITIES: University of Bergamo. The degree of PhD will be jointly issued by the University of Pavia and the University of Bergamo; DURATION: 3 years;

SCHOLARSHIPS:	10	<ul><li>2 scholarships funded by the University of Pavia;</li><li>3 scholarships funded by the University of Bergamo;</li></ul>
		3 scholarships funded by the University of Bergamo; 1 scholarship funded by the Italian Ministry of Education, Universities and Research with funds made available by Ministerial Decree n. 198 of October 23, 2003 ("Fondo per il sostegno dei giovani e per favorire la mobilità degli studenti") to undertake research in "Improvement of typical agri-food products and food security, through new characterization and quality-guarantee systems"; 1 scholarship funded by the Alma Mater Ticinensis Foundation; 1 scholarship co-financed by: the University of Pavia; the Department of Economics and Management of Pavia; the Department of Material and Environmental Engineering of the University of Modena e Reggio Emilia; the Department of Sciences and Methods of Engineering of the University of Modena e Reggio Emilia, to undertake research in "Life- Cycle-Management methodology for evaluating the impact of products and processes on complex socio-economic systems"; 2 scholarships funded by "7Pixel" Company, to undertake research in "Value of online reviews" and "Competency
		development for successful human resource placement"
POSITIONS WITHOUT SCHOLARSHIPS:	3	
POSITIONS RESERVED FOR HIGHER- EDUCATION APPRENTICESHIPS:	2	
POSITIONS RESERVED FOR A PHD JOINTLY- SUPERVISED WITH COMPANIES:	2 *	* This position will be activated provided an agreement is reached between the University and the entity involved
POSITIONS:	17	

# ADDITIONAL POSITIONS RESERVED TO FOREIGN CANDIDATES HOLDING A SCHOLARSHIPS FROM THE "DUNIA BEAM" INTERNATIONAL MOBILITY PROGRAMME: 3

Candidates applying for these positions will be selected through qualifications assessment only. The Committee will draw up specific reports and a separate ranking list.

**ADMISSION PROCEDURE: qualifications assessment and interview:** candidates will have to take the interview in English.

Candidates resident abroad are allowed to take a web-based interview via video conference, provided a written e-mail request to <u>concorso-dottorati@unipv.it</u> is made at the same time as the application submission.



QUALIFICATIONS ASSESSMENT: 30 POINTS ARE ASSIGNED TO THE ASSESSMENT OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS: a) exams taken during the candidate's degree courses, bearing the marks and their average (up to 6 points); b) certified participation in specialization courses, university masters, and certified prizes, scholarships, stages in the economic field: up to 4 points; c) scientific publications and presentations in scientific conferences (up to 3 points); d) no more than two presentation letters in English, submitted by the author to concorso-dottorati@unipv.it by September 18, 2013 at 17:00 pm (Italian time). The subject field must bear the candidate's name, surname and the PhD course denomination (up to 6 points); e) a research project written in English (max 5.000 characters including spaces) (up to 6 points); f) motivation letter written in English (reasons for choosing this PhD course, expectations on future employment, readiness to spend research periods abroad, etc.) (up to 5 points).

Candidates must attach to their application a short abstract (max 2.000 characters including spaces) of their Masters thesis.

### The minimum score to be admitted to the interview is 21/30.

The results of the qualifications assessment will be published online no later than October 1, 2013.

The results will be posted on the "Dipartimento di Scienze Economiche e Aziendali" noticeboard and in the reserved area of the University website. This can be accessed using the login information provided during registration.

**INTERVIEW: starting from October 10, 2013, at 10:00 (Italian time)**, at the Department of Economics and Management, via San Felice 5, Pavia.

The research project will be discussed during the interview and is meant to verify the candidate's aptitude towards research. It will not be binding if the candidate is admitted onto the PhD course. More information about the writing of the project can be found at <u>http://phdemd.unipv.eu</u>

The interview will be held in English. It will verify and assess the candidate's knowledge of the English language. The interview will deal with the research project (max 5 minutes), as well as with the contents of the PhD program.

The interview by videconference will start at 16.00 pm (Italian time) of October 10, 2013. The candidates will be asked to show a valid identification document. The University of Pavia does not accept any responsibility for a candidate's failure to take the interview due to technical difficulties.

### INFORMATION: <u>http://phdemd.unipv.eu</u>

PLEASE NOTE: Candidates who are interested in the scholarship funded by "7pixel" or in the scholarship co-funded by the University of Pavia, the Department of Economics and Management of Pavia, the Department of Material and Environmental Engineering of the University of Modena e Reggio Emilia and the Department of Sciences and Methods of Engineering of the University of Modena e Reggio Emilia, must state their interest to the examining committee before the interview; these candidates' interviews will therefore also include a discussion of the project topics. The examining committee will draw up a specific ranking list.

### PHD IN HISTORY

LOCATION: DEPARTMENT OF POLITICAL AND SOCIAL SCIENCES; DIRECTOR: Prof. MARINA TESORO; DURATION: 3 years;



SCHOLARSHIPS:	5	5 scholarships funded by the University of Pavia
POSITIONS WITHOUT SCHOLARSHIPS:	2	
POSITIONS:	7	

# ADDITIONAL POSITIONS RESERVED TO CANDIDATES WITH SCHOLARSHIP FROM A FOREIGN COUNTRY: 1;

### ADDITIONAL POSITIONS RESERVED TO CANDIDATES HOLDING A SCHOLARSHIP FROM A SPECIFIC INTERNATIONAL MOBILITY PROGRAMME: 1;

Candidates applying for "Additional positions reserved to candidates with scholarship from a foreign country" and for "Additional positions reserved to candidates holding a scholarship from a specific international mobility programme" will be selected through qualifications assessment and interview in person or via videoconference/webcam. The committee will draw up specific reports and a separate ranking list.

ADMISSION PROCEDURE: qualifications assessment and tests (written test and interview): candidates are allowed to take the interview in English;

LINGUISTIC KNOWLEDGE: candidates' knowledge of English will be verified during the interview; QUALIFICATIONS ASSESSMENT: 10 POINTS ARE ASSIGNED TO THE EVALUATION OF CANDIDATES' QUALIFICATION, DIVIDED AS FOLLOWS : a) exams taken during the candidate's degree courses, bearing the mark (up to 3 points); b) scholarships, *post lauream* diplomas (up to 2 points); c) certified publications and conference papers dealing with the subjects of the PhD course (up to 2 points); d) certified knowledge of foreign languages other than English (up to 1 point); e) any other qualification the candidate will submit (up to 2 points).

WRITTEN TEST: October 22, 2013, at 9:00 (Italian time), Department of Political and Social Sciences – Corso Strada Nuova n. 65 – Pavia;

The written examination will consist of an essay dealing with subjects related to one of the PhD course programs.

**INTERVIEW: October 23, 2013, at 14:00 pm (Italian time),** Department of Political and Social Sciences – Corso Strada Nuova n. 65 - Pavia;

The oral examination will consist in an interview dealing with the research project on the basis of a short written abstract that applicants must submit to the examining committee. This will not be binding if the candidate is admitted onto the PhD course. During the interview the candidate's aptitude for research, background in the research project field of studies and knowledge of English will be assessed.

INFORMATION: http://phdstoria.unipv.eu/site/home.html

The following programmes are foreseen:

Section "Civilizations of the Mediterranean in Pre-Classic, Classic and Medieval Ages":

- a) Pre-classical ancient Near East;
- b) Ancient history and historiography;
- c) Greek, Etruscan and Roman archaeology, topography and art;



d) History and civilization of Greek and Latin Middle Age;

Section "Society, Politics and Institutions in Modern and Contemporary Ages"

- a) Modern and Contemporary History;
- b) Constitutional and Administrative History;
- c) History and Politics of European Integration;
- d) History of Asia and of Africa.

### Art. 2

#### Admission requirements

- 1. Applications are invited from candidates, regardless of age and nationality:
  - a. who hold an Italian "diploma di laurea (vecchio ordinamento)/laurea specialistica/laurea magistrale", or an equivalent second-level degree issued by an AFAM (Alta Formazione Artistica e Musicale) institution;
  - b. who hold an academic degree awarded abroad and recognised in advance as being eligible for the PhD competition purposes only. The foreign degree must be comparable to an Italian second-level degree in terms of duration, level and disciplinary field. In respect of these conditions, the Teachers Board board will decide whether the candidate is eligible for the PhD competition. During the application procedure, candidates will be asked to attach the following documents, as uploads, in order for their degree to be recognised:
    - i. Degree certificates, in Italian or English, including the courses attended, the marks received and the legal duration of the degree courses (Italian and EU citizens can submit a self-declaration, pursuant to D.P.R. 445/2000 and subsequent modifications;
    - ii. Any other document relevant to the assessment of a degree's eligibility, such as a Diploma Supplement or Dichiarazione di Valore in Loco.

The candidate may be required at any time to submit further documents, in order to verify the eligibility of his/her degree.

- c. who expect to receive the degree mentioned in para. a and b no later than October 31, 2013. In this case, successful candidates will be conditionally admitted. Candidates being awarded a degree in Italy will be required to submit to the University administration office, no later than October 31, 2013, a self-declaration testifying they have attained the degree. Candidates awarded a degree abroad will, in the case of Italian and EU candidates, have to provide a self-declaration attesting to the attainment of the degree; non-EU candidates will follow the procedure indicated in art. 11, para. 5.
- 2. Applications from candidates already enrolled in a PhD course at the University of Pavia will not be accepted.



### Art. 3

### Positions reserved for a PhD jointly-supervised with companies and higher-education apprenticeships

- Employees in highly qualified positions may undertake, while keeping their job position and stipend, a
  PhD programme. Such candidates' training objectives and research activities are arranged between the
  University and the company by means of a specific agreement. A separate ranking list is drawn up for
  these candidates. Candidates who successfully pass the selection procedure are admitted to the PhD
  without a scholarship. The agreement between the University and the company must be formalised no
  later than September 30, 2013. It will specify, among other things, the conditions and nature of the
  research to be carried out at the company and the division of the employee's time.
- 2. Candidates must select the appropriate administrative category during the application procedure, if available, for their chosen PhD course.
- 3. Pursuant to Law 167/2011, art. 5, if the conditions exist, it is possible to establish PhD positions in apprenticeships with external institutions and companies.

### Art. 4

### Additional positions reserved to candidates holding a degree awarded abroad, to candidates with a scholarship from a foreign country and to candidates holding a scholarship from a specific international mobility programme

- 1. Candidates holding a degree awarded abroad, those holding a scholarship from a foreign country, or candidates holding a scholarship from a specific international mobility programme, will be selected through a qualification assessment and, unless otherwise specified in art. 1 for the specific PhD course, will also undertake an interview via videoconference. This is aimed at verifying candidates' competence, ability and aptitude for research and their knowledge of Italian and/or English.
- 2. Candidates must select the appropriate administrative category, if available for their chosen PhD course, during the application procedure.
- 3. The examining committee will draw up specific reports and separate ranking lists. Any reserved positions not taken up may be made available for the ordinary competition.

### Art. 5

### Applications

Candidates who wish to participate in a PhD competition at the University of Pavia have to apply online by the deadline of September 18, 2013 at 17:00 pm (Italian time). Applications can only be made via the online procedure at the following link: <a href="http://studentionline.unipv.it/esse3/Start.do">http://studentionline.unipv.it/esse3/Start.do</a>



Applications submitted via any other means will not be considered. Candidates are responsible for ensuring that their application has been completed accurately and in full; complaints related to the malfunctioning of the online procedure will not be accepted. Candidates are highly recommended to complete the online application well in advance of the application deadline. Candidates must pay the application fee, amounting to  $\notin$  31.00, by the September 18, 2013 deadline. Under no circumstances will the application fee be reimbursed.

2. Candidates must register on the system in order to access the online procedure. Candidates who have yet to register should select the "Registration" tab and insert the requested data; then, by selecting the "Login" item and entering the username and password provided by the system, they will be able to apply for the PhD competitions.

Candidates who have already registered on the University of Pavia website must select only the "Login" tab and access the Reserved Area by entering the username and password already in their possession.

In order to submit the application, candidates have to select the "Admissions" item from the lefthand menu, then, from the same menu, the "Admission test" link, and then the PhD competition in which they would like to take part.

During the application procedure, candidates have to:

- enter their personal data, the information regarding their degree course and the details of a valid identity document; a copy of the same identity document will have to be uploaded and attached to the application and also presented on the day of the tests for identity purposes;
- choose the PhD competition, the appropriate administrative category and the foreign language, from those listed in art. 1 for each PhD course, whose knowledge will be verified during the interview;
- attach, via an upload, proof of the qualifications required for their chosen specific PhD competition (see art. 1).

Qualifications and documents must be attached as .pdf files and must not exceed 5MB. Each file's denomination must bear the candidate's surname (e.g. surname\_curriculumvitae).



Candidates will have to prove they are in possession of the qualifications<sup>1</sup> issued by the Public Administration, including the exams taken during their degree course and the relative marks, by means of a self-declaration, pursuant to art. 46 of D.P.R. 445/2000. The self-declaration must conform to the model available at the following link: <u>http://www.unipv.it/dottorati</u> or, if available, it can be downloaded from the website of the institution where the degree was awarded. **All self-declarations, including those provided by other university websites, must be dated and signed.** Non-EU applicants with a foreign degree must attach to the application a copy of their degree certificate.

With the exception of the degree required for admission (see art. 2, para. 1), all qualifications must have been obtained by the application deadline.

# For each PhD course, the examining committee will take into consideration only the qualifications listed in art. 1

Candidates with a disability (under the provisions of Law n. 104 of February 5, 1992 integrated by Law n. 17 of January 28, 1999) or affected by a Specific Learning Disability (under the provisions of Law n. 170 of October 8, 2010) should make a specific request in their application for the necessary assistance and, if required, for extra time to complete the selection tests. Candidates with disabilities are required to submit, via the medical committees, a medical certificate issued by the competent health authorities. Candidates with Specific Learning Disabilities must submit an appropriate clinical certificate issued by the National Health Service and dated no more than three years prior to the date of the test. In regions where it is not possible to diagnose such disorders as part of the specialist treatments carried out by the National Health Service, candidates must ensure that, within the limits of their human, instrumental and economic resources, the same diagnosis is carried out by a specialist or accredited structure.

It will not be possible to modify the application once the data has been confirmed and the application submitted online. The qualifications inserted can be updated, cancelled or modified, even after its submission online, provided this is done within the application deadline. No changes can be made after the deadline.

<sup>&</sup>lt;sup>1</sup> Pursuant to D.P.R. n. 445 of December 28, 2000 and subsequent modifications, Italian and EU citizens must provide a self-declaration attesting the following conditions and facts certified by the Public Administration:

a) enrolment in professional organisations or on lists managed by Public Administration;

b) membership of professional associations;

c) qualifications and exams taken;

d) professional qualifications, post-graduate qualifications, qualifying exams, training courses, refresher courses and technical qualifications;

e) student status.



After having submitted the application by September 18, 2013 at 17:00 pm (Italian time), candidates must ensure that they have received the e-mail proving they have successfully completed the procedure.

At the end of the procedure, candidates should print the application form together with the MAV (Payment against notice) of  $\in$  31,00, which must be paid **by September 18, 2013**. Failure to pay the admission fee by the deadline will result in candidates being excluded from the selection process. The MAV can be paid, commission free, at any branch of the Banca Popolare Commercio e Industria or across the counter at any credit institution in Italy. The payment can also be made using a PagoBANCOMAT payment card at any "Gruppo Unione di Banche Italiane" bank ATM. In these cases, the candidate must type the MAV identification code and amount; once the operation has been completed, a proof of payment will be provided.

No payments other than MAV (Payment against notice) can be accepted, except in cases where candidates are resident outside Italy. Candidates resident abroad can make the payment via bank transfer to UNIVERSITÁ DEGLI STUDI DI PAVIA – SERVIZIO TESORERIA c/o UBI Banca Popolare Commercio e Industria – IBAN IT 32 I 05048 11302 000000046566, SWIFT: BLOPIT22XXX; BIC: POCIITM1XXX.

- 3. The application form must be printed and submitted to the examining committee on the day of the first test.
- 4. After the announcement deadline, the University will check the validity of the applications received and verify that the application fee has been paid. In cases of invalid applications, or where the payment has not been made, <u>the candidate will be excluded from the competition</u>. On the <u>http://www.unipv.it/dottorati</u> website the list of the candidates admitted to the selection procedure will be published for each PhD programme.
- 5. Candidates who wish to take part in more than one competition will have to submit a separate application for each, together with the qualification certificates requested, and pay a participation fee for each PhD competition selected.
- 6. All applicants are conditionally admitted to the PhD competitions while the University administration office checks that they actually possess the requirements for PhD enrolment, pursuant to D. P. R. n. 445 of December 28, 2000, art. 43. The administration office reserves the right, at any time, to exclude candidates from the selection procedure. The Administration office will also check the veracity of candidates' self-declarations: candidates found to have made false declarations may face criminal proceedings and administrative sanctions.



### Art. 6

### **EDISU** benefits

- 1. PhD students, pursuant to DPCM of April 9, 2001, are entitled to enjoy, under the same conditions of the other University students, the benefits offered by the University of Pavia's EDiSU (Institution for the Right to Study).
- 2. Candidates who wish to enjoy these benefits (scholarships, accommodation at the University halls of residence, reduced meal prices at canteens etc.) should consult the http://www.isu.pv.it website where the call for applications for the relative benefits will be advertised. Candidates are allowed to apply for the EDISU benefits before their enrolment on the PhD has been completed.

### Art. 7

### **Examining Committee**

- 1. The Committees in charge of the PhD competitions are appointed by the Rector in accordance with the University of Pavia's "Regulations for PhD courses".
- 2. The composition of the examining committee will be published, after the announcement deadline has passed, on the http://www.unipv.it/dottorati website.

#### Art. 8

### Selection procedure

- 1. Admission to the PhD courses is subject to the passing of a selection procedure aimed at assessing **candidates' competence, ability and aptitude for research**. In art. 1, which candidates are invited to read carefully, the selection procedures and notes for each PhD course are listed.
  - a) Selection procedure by qualifications assessment and tests (written test and interview)
- 2. The selection procedure by qualifications assessment and tests consists of a comparative assessment of the qualifications submitted by candidates, as well as two tests.
- 3. The admission tests consist of a written test and an interview, including a verification of candidates' knowledge of a foreign language, selected from those listed for individual PhD courses and indicated in the application.
- 4. The examining committee can assign up to 30 points per test for the evaluation of each candidate.
- 5. The written test may consist of examinations, exercises and essays on topics related to the PhD course.
- 6. Candidates who have passed the written test with a score of 21 points or more are admitted to the interview.
- 7. The interview is deemed to have been passed if a candidate obtains a score of 21 points or more.



- 8. Unless otherwise specified in art. 1, the examining committee can assign up to 10 points for candidates' qualifications for each PhD course, divided as indicated in art. 1. The qualifications assessment takes place after the written test and before the correction of the papers. The results of the qualifications assessment will be announced before the interview.
  - b) Selection procedure by qualifications assessment and interview
- 9. Unless otherwise specified in art. 1, the examining committee can assign up to 10 points for candidates' qualifications, divided as specified in art. 1 for each PhD course. For each PhD course, a minimum threshold may be set for admittance to the interview, as indicated in art. 1. The results of the qualifications assessment will be announced before the interview, with the instructions and timing indicated in art. 1.
- 10. The interview includes a verification of candidates' knowledge of a foreign language, selected from those listed for each PhD course. The examining committee may assign up to 30 points as an interview points scale. The interview is deemed successful if a candidate obtains a score of 21 points or more.
  - c) Selection procedure by qualifications assessment only
- 11. Unless otherwise specified in art. 1, the examining committee can assign up to 10 points to candidates' qualifications for each PhD course, divided as indicated in art. 1. Candidates who have obtained at least 7 points are admitted to the ranking list.
- 12. The examining committee will draw up specific reports. Candidates will be ranked in descending order by totalling the scores obtained by each candidate in the scheduled tests and the qualifications assessment.
- 13. If candidates have an identical score on the ranking list, the scholarship will be awarded on a means basis, pursuant to D. P. C. M. of April 9, 2001 and subsequent modifications and additions; for positions without a scholarship, the youngest candidate will have priority.
- 14. The President of the examining committee will submit to the Rector the competition reports.
- 15. <u>The admission tests schedule, indicated in art. 1 of this announcement, is equivalent to a notification to applicants. Further modifications, updates or additions to its content will be announced on the: http://www.unipv.it/dottorati website. Candidates will not receive any further communication from the University administration office.</u>
- 16. On the day of the tests, candidates will be asked to present the valid identity document whose details were entered during the application procedure. Candidates will also have to sign the printed application forms which must then be handed in to the Committee.



17. Failure to take part in the admission tests will be considered as constituting a withdrawal from the application process.

### Art. 9

### Admission to the PhD courses

- 1. The Rector, by Rectoral Decree, acts to verify the validity of the competition records and approves the ranking lists. Candidates who have placed highly on each ranking list are declared winners, provided they meet the admission requirements for access to the PhD competition and enrolment onto a PhD course.
- 2. Candidates are admitted to the PhD courses in the ranking list order until all positions for the given PhD are taken. Should a candidate decide not to take up his/her place before the start of the course, their place may be taken by other candidates following the ranking list order. Should a candidate win more than one competition, he/she will have to choose only one PhD course and communicate this choice in writing.
- 3. Candidates who have participated in the selection process for reserved positions will be admitted onto PhD courses until all positions allocated to such candidates have been filled.

#### Art. 10

### Public Administration employees

1. Prevailing laws regarding time off work or special leave will apply to any public administration employees admitted onto a PhD course.

#### Art. 11

#### PhD course enrolment

- The ranking lists will be published on the University's official noticeboard <u>http://www-5.unipv.it/alboufficiale/</u> and on the <u>http://studentionline.unipv.it/esse3/Start.do</u> website. In order to check their results, candidates have to login by entering the username and password provided at the end of the registration procedure, click on "Admissions" from the left-hand menu and then on "Admission test". <u>Candidates will not be informed personally: the publication of the ranking list is equivalent to an official notice to applicants.</u>
- 2. Candidates can appeal against the approval of the ranking list to the TAR (Regional Administrative Tribunal) within 60 days from the publication of the results on the University's official noticeboard, or make a special appeal to the President of the Republic within 120 days; in the absence of an appeal, the provision shall be incontrovertible.



- 3. **Successful applicants** must **enrol** for the PhD course by following the instructions provided on the http://www.unipv.it/dottorati website.
- 4. Successful applicants who do not yet hold the second-level degree necessary to enrol onto a PhD will be conditionally admitted. In such cases, the applicant must commit to attaining the degree by October 31, 2013 pursuant to Art. 2, para. 1 of this announcement. By the same deadline of October 31, 2013 they will be requested to provide the University Administration office with proof of graduation by following the procedure described in Art. 2, para. 1.
- 5. Non-EU candidates in possession of a foreign academic degree, if successful, will have to provide the University Administration, within a deadline agreed with the office, the following documents:
  - a. A certified photocopy of their degree certificate;

b. A university transcript detailing exams taken during their academic career, the marks obtained and the legal duration of the course programme;

c. A legally-validated translation into Italian or English of the documents described in a) and b). Candidates who have obtained a degree outside the EU will also be asked to provide the original "Dichiarazione di valore in loco", issued by the competent Italian diplomatic representative in the country where the academic qualification has been attained. The "Dichiarazione di valore in loco" must specify that the degree is suitable as a qualification for admittance to doctoral studies in the country where it has been attained. The Administration office also reserves the right to ask students with a foreign degree obtained within the EU to provide a "Dichiarazione di valore in loco" in cases where its validity is doubted.

- 6. Upon enrolment, non-EU citizens resident abroad must submit to the Administration office, no later than December 31, 2013, a photocopy of their visa/residence permit.
- Competition winners will have to pay, through MAV (Payment against notice), the amount of € 293.51, which includes the accident insurance during the PhD course.
- Successful candidates, who do not enrol and pay the enrolment fee by the deadline of 5 days from the day following the publication online (<u>http://studentionline.unipv.it/esse3/Start.do</u>) of the ranking list, will be considered as having forsaken their position.
- 9. The University Administration reserves the right to check the validity of winners' declarations. Any applicants found to have made false statements will lose the benefits deriving from these declarations.

### Art. 12

### Scholarships

1. The annual gross amount of a PhD scholarship is currently € 13.638,47, including the INPS contribution that is at the expense of the scholarship holder. PhD scholarships are regulated by the provisions of Law n. 476 of August 13, 1984, art. 4.



- 2. The Rector, by Rectoral decree, awards the scholarship to the successful candidates following the order of the ranking lists and until all scholarships for the given PhD have been assigned.
- 3. Scholarships have a duration of one-year and are confirmed annually, provided that the student has been admitted to the following year by the Teachers Board.
- 4. The scholarships are paid in monthly deferred instalments.
- 5. The scholarship amount is increased by 50% for any research periods carried out at foreign institutions, duly authorized by the Teachers Board. The research periods abroad must not exceed a maximum of 18 months in total.
- 6. PhD scholarships cannot be combined with research grants or other scholarships awarded for any reason whatsoever. The only exceptions are grants and scholarships assigned by national or international bodies to support research activities during internships abroad.
- 7. Students who have already benefited from a PhD scholarship, even partially, are not eligible for a second one.

#### Art. 13

#### PhD students' obligations

- Admission onto a PhD course entails full-time and dedicated commitment. Course activities are mandatory and are organised and structured by the Teachers Board of each PhD course. The Teachers Board may set specific rules for PhD courses jointly supervised with companies, students of medical specialities or public administration employees attending PhD courses.
- 2. A PhD student's supervisor can seek the authorisation of the Director of the department where the student is operating to carry out research in Italy or abroad, as long as it can be considered as part of his/her training programme.

#### Art. 14

#### PhD students' teaching activity

The PhD student, if authorised by the Teachers Board, may act as a tutor as well as fill a supplementary teaching role up to a maximum of 40 hours per academic year. PhD students in the medical area are allowed to take part in clinical and assistance activities.

#### Art. 15

#### Joint attendance of PhD course and medical specialisation school

 Final-year students of the University of Pavia's medical specialisation school are allowed to enrol onto a PhD course, following the procedure outline in the University of Pavia's "Regulations for PhD courses", Art. 27. After one year of joint attendance, the student will be enrolled onto the PhD course



only. The total period of enrollment on the PhD, including the year of joint attendance, will br equivalent to the legal duration of the PhD course.

2. During the year of joint attendance, the student is not entitled to receive a PhD scholarship.

#### Art. 16

#### Incompatibility

Enrolment onto a PhD course is incompatible with a simultaneous enrolment on a degree course, Italian "Masters" course, non-medical specialisation school, TFA or other PhD course (except in cases of joint-supervision agreements with a foreign institution) both in Italy and abroad.

#### Art. 17

#### Final exam and attainment of the PhD degree

The title of PhD ("Dottore di ricerca"), unless otherwise specified in Art. 1, is awarded by the Rector of the University of Pavia, following a positive assessment of the research thesis. The thesis is publicly discussed in front of a committee appointed by the Rector.

#### Art. 18

### Use of personal data

- 1. Pursuant to Law n. 196 of June 30, 2003 ("Personal data protection code"), the information supplied by candidates will be gathered by the University of Pavia's Research Service and used for the management of the admission competitions and for candidates' eventual academic career. Granting consent for the handling of personal data is therefore obligatory and failure to do so will result candidates' exclusion from the admission test.
- 2. The information provided by the candidates will be communicated to the University of Pavia's administrative offices and to the departments directly concerned with the legal and financial positions of the successful candidates.
- 3. Candidates are entitled to the rights stated in art. 7 of the Law 196 of June 30, 2003, including access to personal data, its modification, updating, integration, cancellation etc., and likewise reserve the right to oppose any use of the data other than the institutional purposes stated above.

#### Art. 19

#### Head of Administrative Procedures

The Head of Administrative Procedures, under Law no. 241 of 7 August 1990 and successive modifications, is Claudia Morini – Research Service – Via Ferrata n. 1 – 27100 Pavia (Italy) – tel. +39 0382 985972/37/83/84 – fax +39 0382 985996.



### Art. 20

### **Final regulations**

Although not explicitly specified in this announcement, the provisions of existing Italian legislation on PhDs and of the University of Pavia's "Regulations for PhD courses" apply.

Pavia, July 26, 2013

THE RECTOR Angiolino Stella