

RECTORAL DECREE No. 358 / 2017

CALL FOR APPLICATIONS FOR ADMISSION TO PhD PROGRAMME - 33RD CYCLE - ACADEMIC YEAR 2017/2018 -

Art.1 - Activation and selection procedure for admission to the PhD programme

The call for applications for the academic year 2017/2018 (33rd cycle) is now open for admission to the following PhD courses, with administrative offices at the Carlo Bo University of Urbino:

- 1. Humanities
- 2. Life Sciences, Health and Biotechnologies
- 3. Basic Sciences and Applications

The annexed statements (Annex A), which are an integral part of this announcement, specify the following: administrative offices and Department, duration of the course, number of places available, number of scholarships available, and the relative finance body, the curricula, as well as the procedures for the admission examinations, the diary and the location of the examination.

Activation of the course will depend on the acknowledgement of the accreditation procedure by the MIUR [Ministry of Education, Universities and Research]. Should the course fail to be acknowledged, its activation will be suspended.

The call for applications and information for the course are on line at the Official University List (www.uniurb.it/alboufficiale) and can be consulted on the website http://www.uniurb.it/dottorati .

Any changes, updates or integrations to the contents of this call for applications will be made known exclusively through publication in the Official University List (www.uniurb.it/alboufficiale) and on the website www.uniurb.it/dottorati .

This announcement will also be published in English on the website of the University, on the Euraxess European website and on the website of the Ministry for Education, Universities and Research.

The PhD courses will commence on 1 November 2017 and will last for three years.

Art. 2 - Admission Requirements

Admission to the PhD course, as stated above, is open without limits to sex, age and nationality to those with:

- a) a master's degree acknowledged by Ministerial Decree no. 270 of 22 October 2004, or:
- b) equivalent academic qualification, or other level two academic qualification issued by institutions that are part of the AFAM sector (Higher Artistic and Musical Education);
- c) similar academic qualification achieved outside Italy¹ (Master's degree) from an officially recognised academic institution, considered suitable by the admissions commission for the purpose of accessing the PhD course. This qualification must be comparable to a Master's degree in terms of duration, level and discipline and must also be valid for enrolment in an academic course equivalent to a PhD in the country of origin.

Selection is also open to those with a pending qualification, as per sections a) or b) or c) by 31 October 2017. In this case, admission to the selection process is "conditional" on the achievement of the qualification.

¹ http://www.studiare-in-italia.it/study/new-degrees.html. For more information, see the website http://www.cimea.it/it/servizi/procedure-di-riconoscimento-dei-titoli/procedure-di-riconoscimento-dei-titoli-overview.aspx



e-mail: dottorato@uniurb.it

Self certification or documentation proving the qualification must be sent to the PhD and Higher Education Department (by email to the following address: dottorato@uniurb.it) or the offer will be cancelled.

All candidates will be admitted with reservation to the selection procedure. The Administration may, at any time and on justified grounds, exclude candidates who do not meet requirements.

Art. 3 - Admission Application

To take part in the admissions process, all candidates must submit an application as follows:

1. Online registration, available using the procedure at the following address: http://www.uniurb.it/studentionline no later than the deadline of 12:00 on 4 September 2017 (all times stated in this announcement are Italian times)

Access to the online process depends on registration in the system.

For candidates who have never registered on the University of Urbino website:

Reserved area - Register - select the menu item "REGISTRATION" and enter the required details The system will provide the user with credentials to be entered after clicking on the "LOGIN" link. After completing the Login, the candidate can access the reserved area: "ADMISSION TESTS" and select the PhD course for which they intend to apply.

For candidates who are already registered on the University of Urbino website:

(registered, enrolled, and pre-enrolled for a University course, even if only for procedures for applications, graduates, etc.)

Reserved Area - Login - select the "LOGIN" link and enter your credentials (user name = n.cognome@stud; password = personal code issued with latest registration).

If the candidate no longer has their own credentials (username and password), they can recover them at the following address http://www.uniurb.it/studentionline selecting the link "FORGOTTEN PASSWORD", and entering tax ID code and email address as provided in the previous registration process.

After completing the Login, the candidate must select the course for which they last registered, in order to open the "ADMISSION TESTS" area and select the PhD course for which they intend to apply.

2. How to complete the admission application (online)

The candidate must complete all areas of the application, annexing (upload function) the required admission and assessment documents (see Annex A) (obligatory annexes).

Candidates wishing to apply for more than one PhD course must submit a separate application for each.

The application can be saved and edited until definition confirmation is given.

3. Printing the MAV slip for payment of application fees

After application has been completed, the system will generate an online MAV slip to be used to pay the application fees.

Applicants must pay a non-refundable application fee of euro 30.00.

Payment of this fee must be made using one of the following methofs:

online MAV slip: the procedure will allow the online MAV slip to be generated, and the candidate can use this to make the bank payment (the MAV must be downloaded from the section "print



receipt and slip"). This payment will be automatically sent from the bank to the University management system.

bank transfer to the current account in the name of Università degli Studi di Urbino Carlo Bo
 Banca delle Marche – Via Veneto, 47 - 61029 Urbino (PU) using the code:
 IBAN IBAN IT91 H060 5568 7000 0000 0013607 or the following international code for transfers from abroad: BIC SWIFT: BAMAIT3A290 stating the reason: PhD application fee.

The online process will be open until 12:00 on 4 September 2017.

Candidates are asked to complete their application for selection with sufficient time before the expiry date in order to avoid possible overloads to our computer systems.

Any additions to applications must be sent before the expiry date of this announcement.

It is the candidates' responsibility to check the correct conclusion of the process (printout of the application and MAV slip). Applications that are found to be incomplete or which are not accompanied by payment will not be considered valid for the process.

Any submitted applications that are not in line with the above regulations will not be considered. The list of candidates excluded due to incomplete or non-conforming applications, as identified by their application ID, will be published on the announcement website.

For any requests for more information or other notifications, please contact the PhD and Higher Education Department.

Disabled candidates or candidates with specific learning differences may, compliant with Law no. 104 of 5 February 1992, and subsequent amendments and integrations, and Law no. 170 of 8 October 2010, obtain extensions or help for admissions tests.

As well as making specific requests in the admissions application, it is necessary to provide medical certification for the validity of the request. This certification must be sent to the PhD and Higher Education Department before the closure of the applications process.

OBLIGATORY ANNEXES

- 1) Identity document: a scan of the ID card (for EU citizens) or the passport (for non-EU candidates), specifically the pages with photograph, ID details, number, place and date of issue, expiry and signature;
- 2) scan of academic qualifications:

candidates with Italian qualifications:

qualification: self-certification, pursuant to art. 46 of Presidential Decree no. 445 of 28.12.2000, and subsequent amendments, with examinations passed, credits and marks (facsimile available on the page https://www.uniurb.it/studiaconnoi/formazione-continua-e-abilitazione/dottorati-di-ricerca/informazioni-perammissione); for graduates of the University of Urbino, it is sufficient to state the date of graduation and the other information will be acquired from the university administration;

pending qualification: self-certification, compliant with art. 46 of Presidential Decree no. 445 of 28.12.2000 and subsequent amendments, with examinations passed, credits and votes, plus the presumed date for the degree examination, set out using the annexed facsimile; for those graduating from the University of Urbino, it is sufficient to state the date of graduation and the other information will be acquired from the university administration;

candidates with foreign qualifications:

qualification achieved: copy of the academic diploma held and required for access to the PhD course, accompanied by a list of examinations passed, together with the relevant credits and marks and if



available, by a Diploma Supplement² / Transcript of Records³ / Declaration of value or Rectoral Decree of equivalence. Submission of official documentation is obligatory for the purposes of definitive assignment.

Pending qualification:

- certification of registration, together with a list of examinations taken and relevant credits and marks,
- statement that the qualification will be achieved by 31 October 2017, specifying the institution and official duration of the course of study.

Original certificates or copies are accepted in Italian or English. All other languages will require a translation into English, signed by the candidate.

Art. 4 - Assessable qualifications and examinations

Selection for entry to PhD courses is based on qualifications and examinations. The tests and the maximum scores awarded for qualifications are stated for each PhD course in Annex A.

For assessment purposes, the candidate is obliged to present, together with the application for admission, the qualifications listed in the prospectuses for the single courses (see Annex A).

The results of assessment of qualifications are made public before the written/oral test (interview), to which all candidates are admitted if they have submitted a regular application, independently of the score achieved from the assessment of their qualifications.

Admission exams will take place at the University of Urbino, Carlo Bo, according to the methods described below and to the test schedule listed in the prospectus concerning the courses, an integral part of this admissions process (Annex A). Test dates will also be published on the website www.uniurb.it/dottorati.

The test dates given in the annexed prospectuses (Annex A) are to all intents and purposes an official convocation.

Candidates will not receive any convocation or communication concerning the examinations.

To take the examinations, candidates must be present at the site on the date and at the times stated in the above prospectus (Annex A), and they must also show a valid ID document.

Failure to attend the admission examination is considered a withdrawal of candidacy.

Admission exams consist of an oral examination (interview) and if necessary, a written test.

Admission exams are carried out to guarantee suitable comparative assessment of candidates.

The oral examination also includes a test of English language skills.

Admission examinations will be awarded a maximum of 80 points. The academic curriculum and research project, if any, will be awarded up to 20 points. The assessment is made by the Awards Commission before the oral examination (interview) and if preceded by a written examination, before this is corrected. The examinations will be awarded a total of 60 points. To be considered suitable, it is necessary to arrive at a examinations mark of at least 40 points. If the selection also includes a written examination, each one will award a maximum of 30 points: each exam will be considered as passed if the final mark is above 20 points. The final mark is the total of assessment of all qualifications and examinations.

At the end of each selection, the Commission will issue a list of the candidates examined together with the marks from the individual tests. The list, signed by the Chairman and Secretary of the Commission, will be published in a notice at the site of the examinations.

Art. 5 - Selection Commission

The selection Commission is formed and appointed compliant with the current standards and based on that set down in the PhD Regulations of the University of Urbino Carlo Bo. (art.14).

² The Diploma Supplement is understood as being a document annexed to a higher education diploma for the purposes of increased international "transparency" and to make it easier for qualifications to be recognised academically and professionally (diplomas, degrees, certificates, etc.). The Diploma Supplement must be issued by the institute issuing the qualification. More details are available on the website: http://ec.europa.eu/education/lifelong-learning-policy/doc1239_en.htm

 $^{^{3} \ \}text{http://www.studiare-in-italia.it/studying/info-07.html}; \\ \underline{\text{http://www.cimea.it/it/servizi/procedure-di-riconoscimento-dei-titoli/glossario.aspx}} \ .$



Art. 6 - Classification and Registration for the PhD Course

The Rector will issue a decree approving the classification, declaring the candidates with a sufficiently high ranking to be successful. The classification will be published in the Official List of the University (www.uniurb.it/alboufficiale) and may be consulted on the University website at www.uniurb.it/alboufficiale) and may be consulted on the University website at www.uniurb.it/alboufficiale) and may be consulted on the University website at www.uniurb.it/alboufficiale) and may be consulted on the University website at www.uniurb.it/alboufficiale) and www.uniurb.it/albouffici

In case of equal ranking in the general list, for the allocation of places with study scholarship, the award will depend on the candidate's financial means. For the allocation of places without study scholarship, preference will be given to younger candidates.

Successful candidates will be admitted to the PhD course according to the order of classification and until the number of available places has been filled.

No personal communications will be sent out. The publication of the classification will be considered official communication to the persons concerned.

Successful candidates must submit their application **within 5 days** of the date of publication of the selection results, or they will lose their place. For this purpose, the date on which the documents arrive and not the date of postage will apply.

For registration procedures, please see: https://www.uniurb.it/studiaconnoi/formazione-continua-e-abilitazione/dottorati-di-ricerca/modalita-di-iscrizione-primo-anno

The registration of successful candidates with pending qualifications is "conditional". Failure to achieve the qualification will mean exclusion from the classification. Achievement of the qualification must be communicated to the Higher Education Department in good time.

Successful candidates with foreign qualifications must deliver a Declaration of Value, together with certification of the qualification with examinations, credits and marks, translated and legalised by the competent Italian diplomatic authorities in the country of issue. Failure to provide these documents will lead to disqualification from the PhD programme. The Declaration of Value can be replaced by a certificate issued by ENIC-NARIC⁴ centres, containing all of the information necessary to assess the qualification.

According to the classification, other candidates from the list will be admitted to the course in the event of disqualification or renunciation within two months from the start of same.

If the person renouncing their place also benefits from a study scholarship, they will not be required to return the monthly payments already received. The University will reallocate the remainder of the scholarship to another candidate on the course without a scholarship and according to the admission classification.

Successful non-EU candidates resident outside Italy, after registering and making the required payment, shall provide a copy of their residence permit/foreigner's permit of stay, or a copy of their application for same to the competent Authorities.

Art. 7 - Scholarships

Scholarships are allocated according to the order of the classification drawn up by the awards commission, for a sum equivalent to that decided in accordance with Ministerial Decree 18 June 2008.

The total amount of the scholarship is € 13,638.47 gross, from which the current social security payments will be deducted, as per law. In fiscal terms, PhD course scholarships are subject to the dispositions set out in Art. 4 of Law no. 476 of 13 August 1984.

In case of equal merit, the award will be means tested.

In case of further equality of merits, the younger candidate will be selected.

To access a study scholarship, the winner must comply with the following:

- not exceed the maximum combined income set annually by the Board of Directors (Art. 16 of the PhD Course regulations). For the calendar year 2017, the personal gross annual income has been set at euro 18,000.00.

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⁴ Enic-naric website: <u>http://www.enic-naric.net/</u>



- prohibition to combine study scholarships of any type, with the exception of those from national or foreign institutes used to integrate, with period of study abroad, training or research activities carried out by the scholarship holders.
- not to have used other PhD study scholarships, even if only for one year.

The award of a study scholarship will apply for the duration of the PhD course. Study scholarships are confirmed after the approval of the Teachers' Board for admission to the following year.

The amount of the scholarship will be increased by 50% for any period of time spent abroad. Periods abroad may not exceed a total of eighteen months.

The study scholarship will commence at the start of the teaching activities and will be paid in post-dated monthly instalments.

Starting from the second year,= and within the range of the financial resources allocated in the current legislation, each doctorate student will be guaranteed a *budget* for research activities in Italy and abroad, in line with the type of course. In any case, the total may not be less than 10% of the amount of the scholarship itself. In case of non-positive assessment of the PhD student for the purpose of admission to the following year, the unused amount will remain available to the institute for the same purposes.

Public employees accepted on the PhD course will be placed, on request and in line with the requirements of the needs of the administration, on extraordinary leave for study reasons, without pay for the duration of the course and will use a study scholarship if they meet the requirements for same. If admitted to the PhD course without a study scholarship, or with a waiver of same, the person on leave will maintain the same salary, social security and pension contributions paid by the public administration by which they are employed.

Art. 8 - Scholarship reallocation criteria

If it is not possible as part of a PhD course to allocate a scholarship financed by the University of Urbino, not limited to a specific research project due to the lack of suitable candidates in the classification of curricula, the scholarships will be allocated according to a general classification, completed according to the points obtained as part of the admission process and formed by those who are admitted without s scholarship to the PhD course.

Art. 9 - Payments for access and attendance of courses

PhD students registered for the first year are obliged to make a payment of euro 168.00 (inclusive of duty, insurance, booklet and ERSU/ERDIS regional payment), while PhD students registered for the following years are obliged to make a payment of euro 162.00 (inclusive of duty stamp, insurance and regional duty). This payment is set in a single amount, to be paid at the time of registration. For successive years, payments must be made by 30 November of each year.

Late payments will be charged an additional sum (Euro 30.00).

This amount is also owed by PhD students who have applied to the Ente Regionale per il Diritto allo Studio [Student Support Body], in delayed payments for the definition of study scholarship allocation. If not in receipt of a scholarship, the PhD student will be obliged to pay the remaining amount of the fees involved. Payments must be made through the online MAV slop, generated at the end of the registration process.

Payment can be made to any branch of the Banca delle Marche or by bank transfer to the current account held by the Università degli Studi di Urbino Carlo Bo – Banca delle Marche – Via Veneto, 47 - 61029 Urbino (PU) using the on-line MAV slip generated at the end of the registration process.

Art. 10 - ERSU/ERDIS Beneficiaries

Based on Lgs Decree 68 of 29 March 2012, PhD students may use the benefits made available by the University Ente Regionale per il Diritto allo Studio Universitario. Candidates can submit applications for services (scholarships, accommodation at University Halls of Residence, student canteen at reduced prices, etc.), using the call for applications document at: http://www.ersurb.it/ where the methods and terms for admission are set out.



Art. 16 - Postponement regulations

Anything not specified in this call for applications will be subject to the laws and regulations for PhD courses of study.

Regulations for PhD Courses: https://www.uniurb.it/ateneo/governance/statuto-e-regolamenti/regolamenti-in-materia-di-ricerca

Art. 17 - Processing of Personal Data

The University of Urbino, implementing Legislative Decree 196/2003 (Data Protection Act), undertakes to use the personal data provided by the candidate for institutional purposes and specifically for the completion of the competition process.

Compliant with principles stated in the aforementioned standards, participation in the competition involves tacit consent to the publication of the personal details of the candidate/s and application examinations being published on the website of the University of Urbino Carlo Bo.

The Data Controller is the University of Urbino Carlo Bo -Via Saffi, 2 61029 Urbino (PU).

Art. 18 - Person in charge of administrative proceedings

The Person in charge of administrative proceedings, appointed pursuant to Art. 4 of Law no. 241, 7 August 1990, is Doctor Donatella Travaglini – Person in charge of the PhD and Higher Education Department of the University of Urbino Carlo Bo, Via Valerio, 9 Urbino – tel.: 0722 304639 -304632 fax: 0722 304637 e-mail: dottorato@uniurb.it

Candidates are entitled to exercise their right to access the procedural deeds according to the current standards. The request, addressed to the Rector of the University, must be sent to the Protocol and Archive Department at Via Saffi, 2 – 61029 Urbino (PU).

Annex A

Humanities PhD Course

Location	DISCUI — Department of Communication Sciences, Humanities and International Studies: History, Cultures,
	Languages, Literature, Arts, Media
Duration	3 years
Places available	8 of which 6 with scholarship and 2 without scholarship
Curricula	 Sciences of the text and communication 2 places with scholarship and 1 without Contemporary History and Comparative Culture 2 places with scholarship and 1 without scholarship Human sciences 2 places with scholarship
	Note: There will be access classifications for each of the course programmes. Candidates must state the programme of choice on their applications
Scholarships	6
Qualifications and documentation to present annexed to the application to participate in the selection process	-Curriculum vitae -Research project The project, in line with the chosen programme, must be limited to between 10,000 and 15,000 characters (spaces included: the bibliography, which normally completes the presentation of the operation, is not included), and it must be divided into two parts:



	presentation of the research subject; identification of the aims of the research and the methods with which these will be achieved, plus the timeframe for the research.
Selection process	-Assessment of qualifications -Oral examination (interview), with test of English language skills
	Note: candidates can choose to submit their qualifications and also to sit the oral examination in English
	-Curriculum vitae and qualifications up to a maximum of: 8 points
	-assessment of career up to a maximum of 4 points;
Assessment criteria for qualifications and	-scientific publications (max. 3 in the last 3 years) up to a maximum of 2 points;
documentation (max 20 points)	-other qualifications (scientific and cultural, work experience in the areas covered by the PhD) up to a maximum of 2 points.
	-Research project up to a maximum of: 12 points
	The result of assessments of qualifications will be published in a notice at the location of the oral examination and at www.uniurb.it/dottorati, before the oral exam.
Selection tests (max. 60 points, oral examination)	The oral examination will consist of presenting the candidate's curriculum and scientific research interests, and of the illustration of a draft research project, in line with the chosen field of study.
	As part of the Sciences of the text and communication programme, the Greek test (L-FIL-LET/02) will include a short sight translation from a text of ancient Greek literature.
	English will be assessed for all course programmes (or Italian) for those sitting the exams in English.
	Please note: the oral examination may be sat in English on request.
Other language requirement	English
Examination subjects	The subjects in the examination will refer to the areas 10, 11 and 14, in the scientific research sectors, specifically developed within the Department by the teaching staff on the board:
	Sciences of the text and communication For area 10 L-FIL-LET/02 Greek language and literature; For area 14 SPS/08 Sociology of cultural and communication processes
	Contemporary History and Comparative Culture For area 11 M-STO/04 Contemporary history (in the variation, for the same sector, of History of political parties and movements, Social history, Contemporary European history); For area 10
	L- Lin/14 Languages and Translation- German.



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	Human sciences For area 11 M-Fil/01 Theoretical philosophy; M-Fil/03 Moral philosophy; M-Fil/06 History of philosophy; M-Psi/03 Psychometrics; M-Psi/04 Developmental and Educational psychology; M-Psi/07 Dynamic psychology.
Diary and location of examinations	The oral examination will take place on 21 September 2017, at 10 at Polo Scientifico-Didattico "Paolo Volponi" Via Saffi, 15 – Aula Tesi
for information about the administration,	Write to: dottorato@uniurb.it
for information about scientific aspects	Department of Communication Sciences, Humanities and International Studies: History, Cultures, Languages, Literature, Arts, Media– Via Saffi,15 tel.0722 305760 segreteria.discui@uniurb.it PhD course coordinator: Prof. Giovanni Boccia Artieri mail: giovanni.bocciaartieri@uniurb.it Reference for Sciences of the text and communication programme, Prof. Liana Lomiento mail: liana.lomiento@uniurb.it Reference for Contemporary History and Comparative Culture Prof. Anna Tonelli mail: anna.tonelli@uniurb.it Reference for Human Sciences programme Prof. Antonello Colli mail: antonello.colli@uniurb.it Please state PhD in the subject line of your message (and include the title of the chosen programme)

PhD course in Life Sciences, Health and Biotechnologies

Location	DISB — Department of Biomolecular Sciences
Duration	3 years
Places available	9 of which 7 with scholarship and 2 without
	-Biochemical and Pharmacological Sciences and Biotechnology:
	3 places with scholarship
Curricula	Cell and Organism Biology:2 places with scholarship + 1 place without
	- Health and Exercise Science 2 places with scholarship + 1 place without
	Note: There will be access classifications for each of the course programmes. Candidates must state the programme of choice in their applications
Scholarships	-Programme Biochemical and Pharmacological Sciences and Biotechnology:: 3 scholarships from the University of Urbino
	- Programme Cell and Organism Biology



	2 scholarships from the University of Urbino
	-Programme: Health and Exercise Science 2 scholarships from the University of Urbino
Qualifications and documentation to present annexed to the application to participate in the selection process	 curriculum vitae scientific publications abstract from master's degree degree reference letter
Selection process	 assessment of qualifications written examination oral examination and assessment of English skills Note: candidates can choose to submit their and also to sit the written and oral examinations qualifications in English
Assessment criteria for qualifications and documentation (max 20 points)	-Curriculum vitae up to a maximum of: -abstract for master's degree thesis (max 5,000 characters, spaces included) up to a maximum of: 3 points -scientific publications up to a maximum of: 5 points -other qualifications that the candidate considers useful up to a maximum of: 5 points -letters of reference (max. 2) up to a maximum of: 2 points The result of assessments of qualifications will be published in a notice at the location of the examinations and at www.uniurb.it/dottorati before the oral examination.
Selection process (max. 30 points, written examination, max. 30 points, oral exam)	The written examination consists of presenting a research project on the themes of the area and scientific sectors for the chosen programme. The oral examination will consist of presenting the candidate's curriculum and scientific research interests. It will also consist of a more detailed look at the subjects in the written examination. The oral examination will also assess English language skills or Italian for those who sat the examinations in English Please Note: the written examination text must also be proposed in English and the oral examination may also be carried out in this language, if requested.
Other language requirement	English
Examination subjects	-Programme Biochemical and Pharmacological Sciences and Biotechnology:: BIO/10 Biochemistry, BIO/11 Molecular Biology, BIO/13 Applied Biology, BIO/14 Pharmacology, MED/04 General Pathology, MED/42 General and applied hygiene, MED/01 Medical statistics, MED46 Biotechnology and Methods in Laboratory Medicine Subjects: 1. delivery and targeting of drugs and vaccines through erythrocytes and nano materials 2. biotechnologies of mycorrhization, microbiology and risk of infection 3. cytotoxicity, oxidative stress, cell death, ischemia, survival and cell differentiation, cytoprotection and anti-oxidative activity in different models, in vitro and in vivo 4. Modulation of gene expression in cells subjected to stress and the role of the ubiquitin system



	5. new pharmacological approaches for the treatment of neoplasia based on molecules and chromatin remodelling activities (epidrugs) - Programme Cell and Organism Biology BIO/04 Plant physiology, BIO/05 Zoology, BIO/09 Physiology, BIO/15 Pharmaceutical biology, BIO/16 Human anatomy, BIO/12 Clinical biochemistry and clinical molecular biology, BIO/19 Microbiology, MED/42 General and applied hygiene Subjects: 1. genetic polymorphisms in tumours, prevention and antiblastic control 2. cytotoxicity, oxidative stress, cell death, cytoprotection and anti-oxidative activity in blood, muscle and limb models 3. structural and functional plasticity of the central and peripheral nervous systems in physiological and pathological conditions 3. mechanisms and strategies for studying biodiversity 4. virulence and microbial pathogenicity factors 5. natural plant extracts and their possible biological activities of pharmaceutical and food interest 6. cell communication in blood, neuron and muscle models 7. mineralised tissue biology -Programme: Health and Exercise Science BIO/09 Physiology, BIO/10 Biochemistry, BIO/13 Applied biology, BIO/14 Pharmacology, BIO/16 Human anatomy, M-EDF/01 Motor activity teaching methods, M-EDF/02 Sporting activity teaching methods, MED/42 General and applied hygiene. Subjects: 1. mechanisms at the base of motor activity, physical exercise protocols in prevention and functional recovery 2. cytotoxicity, oxidative stress, cell death, cytoprotection and anti-oxidative activity in blood, muscle and limb models 3. physical activity in blood, muscle and limb models and degenerative diseases
Diary and location of exams	4. nutritional biology and dismetabolisms, food behaviour, fatty tissue and the role of movement Written examination: 18 September, 10:00 am - Aula Magna Campus scientifico "Enrico Mattei", via Ca' Le Suore 2/4, Urbino (PU) Oral examination: 29 September, 10:00 am - Aula Magna Campus scientifico "Enrico Mattei", via Ca' Le Suore 2/4,
For information about the	Urbino (PU)
administration,	Write to: dottorato@uniurb.it
	- Office of the Department of Biomolecular Sciences– Via S. Andrea 34, Urbino (PU) Tel. 0722 304582 e.mail : mara.mancini@uniurb.it
For information about scientific aspects	-PhD course Coordinator Prof. Elisabetta Falcieri, tel. 0722 304284 e-mail: elisabetta.falcieri@uniurb.it -Reference for the Programme of Biochemical and Pharmacological Sciences and Biotechnology:
	Prof. Luigia Rossi, tel. 0722 305201 e-mail: luigia.rossi@uniurb.it



-Reference for the Programme of Cell and Organism Biology:
Prof. Maria Balsamo, tel. 0722 304251 e-mail: maria.balsamo@uniurb.it
-Reference for the Programme of Health and Exercise Science Dr. Elena Barbieri, tel. 0722 303418 e-mail: elena.barbieri@uniurb.it
Please state PhD in the subject line of your message (and include the title of the chosen programme)

PhD course in BASIC SCIENCE AND APPLICATION

Location	DiSPeA - Department of Pure and Applied Sciences
Duration	3 years
Places available	8 of which 6 with scholarship and 2 without
Curricula	- Chemical and Pharmaceutical Sciences 2 places with scholarship -Earth Sciences 2 places with scholarship + 1 without -Complexity Science 2 places with scholarship + 1 without Note: There will be access classifications for each of the course programmes. Candidates must state the programme of choice on their applications
Scholarships	6
Qualifications and documentation to present annexed to the application to participate in the selection process	- curriculum vitae - scientific publications - abstract from master's degree degree - reference letter - research project Note: The result of assessments of qualifications will be published in a notice at the location of the written examination and at www.uniurb.it/dottorati, before the oral examination.
Selection process	 - assessment of qualifications - written examination - oral examination and assessment of English skills Note: candidates can choose to submit their qualifications and also to sit the written and oral examinations in English
Assessment criteria for qualifications and documentation (max 20 points)	-Curriculum vitae and qualifications up to a maximum of: 14



	-assessment of master's degree progress or master's degree
	-abstract for master's degree thesis (max 5,000 characters, spaces included) up to a maximum of: 3 points
	-scientific publications (max. 3 in the last 3 years)
	-other qualifications (scientific and cultural, work experience in the areas covered by the PhD)
	- 2 (max) reference letters
	-Research project up to a maximum of: 6 points The project, in line with the chosen programme, must be limited to 10,000 characters (spaces included)
	The written examination consists of presenting a project (different for each programme) on the themes of the area and scientific sectors for the chosen programme.
Selection tests (max. 30 points, written examination, max. 30 points, oral exam)	The oral exam will consist of presenting the candidate's curriculum and scientific research interests, looking further at the subjects answered in the written examination, and in the illustration of a draft research project, in line with the chosen field of study. The oral examination (interview) will also assess English language skills or Italian for those who sat the examinations in English
Other language requirement	English
	- Chemical and Pharmaceutical Sciences CHIM/01, CHIM02, CHIM03, CHIM06, CHIM08, CHIM09
Examination subjects	-Earth Sciences GEO/01, GEO/02, GEO03, GEO04, GEO/05, GEO/06, GEO/07, GEO/08, GEO/09, GEO/10, GEO/11, GEO/12.
	-Complexity Science FIS/01, MAT/07, INF/01, ING-INF/05, L-LIN/01, M-STO/05, M-FIL/02, M-FIL/05, M-FIL/06, BIO/05, BIO/07, FIS/07, CHIM/12
Diary and location of examinations	Written examination: 20 September 10:00 Oral examination: 21 September 14:30
	Campus Scientifico "Enrico Mattei", Aula F – Via Ca' Le Suore 2/4, Urbino (PU)
for information about the administration,	Write to: dottorato@uniurb.it
For information about scientific aspects	Office of the Department of Pure and Applied Science (DISPEA), Piazza S. Andrea 34, 61029 Urbino. Tel 0722 - 304525
	PhD course Coordinator Prof. Mauro Sergio Micheloni. mail: mauro.micheloni@uniurb.it
	Reference for the Programme Chemical and Pharmaceutical Sciences Prof. Giovanni Zappia.



e-mail: dottorato@uniurb.it

mail: giovanni.zappia@uniurb.it
Reference for the Earth Sciences programme Prof. Stefano Santini. mail: <u>stefano.santini@uniurb.it</u>
Reference for the Complexity Science programme Prof. Vincenzo Fano. E-mail: vincenzo.fano@uniurb.it
Please state PhD in the subject line of your message (and include the title of the chosen programme)

Urbino, 25 July 2017

Rector Vilberto Stocchi