



UNIVERSITÀ
degli STUDI
di CATANIA



Unione europea
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REPUBBLICA ITALIANA



REGIONE SICILIA



Fondo Sociale Europeo

Rector decree n. 2491

**CALL FOR APPLICATIONS FOR PLACES IN PH.D. COURSES
XXXIII CYCLE – UNIVERSITY OF CATANIA**

Having regard to:

- The charter of the University of Catania in force;
- The Decree of President of the Council of Ministers 09/04/2001 with particular reference to art. 8, ppt. 1 and 7;
- Ministerial Decree n. 45/2013 containing the rules on the modalities of accreditation of universities and Ph.D. courses and the principles for the implementation of Ph.D. courses in the accredited universities and particularly art. 8, pt.2, concerning the possibility of different selection procedures with references to places reserved to graduates from foreign universities;
- The current Regulation of the University of Catania concerning Ph.D. courses;
- The mandatory conclusion of selection procedures by no later than September 30 of each year as in art. 8, par. 1 of the abovementioned Ministerial Decree 45/2013;
- Ministerial Communication n. 0019415 of 10/07/2017 concerning the renewal of accreditation for already accredited courses and the accreditation for newly established courses (academic year 2017/2018);
- The Call 12/2017 concerning the funding of regional scholarships for Ph.D. courses in Sicily – academic year 2017/2018;
- The Director Decree of the Ministry of Education, University and Research n.1377/2017 concerning the possibility of funding doctoral scholarships through the National Operational Program for Research and Innovation 2014-2020 additional to the scholarships already financed by the University of Catania through other funds in the academic year 2017/2018 (Cycle XXXIII);
- The decisions of the Board of Trustees of the University of Catania of 29/05/2017 and 29/06/2017 concerning Ph.D. courses – XXXIII cycle;

All this considered, the following Call is issued by the Rector of the University of Catania

Art. 1 – Selection procedures

1. For the academic year 2017/2018 the University of Catania officially declares the opening of the selection procedures for places in the following Ph.D. courses of cycle XXXIII:
 1. Agricultural, food and environmental science (international);
 2. Basic and applied biomedical sciences (international);
 3. Translational biomedicine (international);
 4. Biotechnologies;
 5. Physics;
 6. Law (international);
 7. Computer Science (international);
 8. Systems, energy, computer and telecommunications engineering;
 9. Mathematics and Computational Science;
 10. Neuroscience (international);
 11. Materials science and nanotechnologies;
 12. Chemical Sciences (international);
 13. Science of Interpretation;
 14. Earth and Environmental science;
 15. Sciences of cultural heritage and production;
 16. Political science;
 17. Complex systems for physical, socio-economic and life science;
 18. Evaluation and mitigation of urban and land risks.
2. For all Ph.D. programs listed above course activities begin on October 31 2017.

[Handwritten signatures and initials]

3. With reference to the Ph.D. course in **Physics**, the admission to the course is subject to the verification by the National Agency for the Evaluation of Universities and Research Institutes of the maintenance of the requirements stated in Ministerial Decree 45/2013, necessary for the implementation of already accredited Ph.D. courses. In case this Ph.D. course is not accredited, the related selection procedures, if already completed, will be considered null and void in the respect of the "Guidelines for the accreditation of Ph.D. courses, academic year 2017/2018, Cycle XXXIII".
4. Detailed information on each Ph.D. course, together with the number of scholarships and their sources of funding, is included in the annexed information sheets which constitute integral and substantial part of the Call (annexes 1 to 18).

Art. 2 Admission requirements

1. Applications are open without regard to nationality or age to candidates who hold either a *Laurea (Vecchio Ordinamento)* or a *Laurea specialistica /magistrale* or any foreign degree suitable for access to Ph.D. courses by the deadline of the present call.
2. The suitability of the foreign degree is assessed by the selection committee with respect to the rules in force in Italy and in the country where the degree was issued and according to international agreements on degrees recognition.
3. Applications are also open to candidates regularly enrolled in their final year of *Laurea Vecchio ordinamento*, *Laurea specialistica/magistrale* or foreign degree course who obtain their final degree by no later than 31/10/2017.
In case these candidates pass the selection, their admission to the Ph.D. course is subject to the submission of a self-certification of degree completion (for holders of *Laurea Vecchio Ordinamento* or *Laurea Specialistica/Magistrale*) or a degree certificate (for holders of a degree issued by a foreign university) by no later than 05/11/2017. Failure to submit the aforementioned documents within 05/11/2017 will lead to the exclusion from the doctoral program.
4. With reference to the grant of the scholarships funded by the European Social Fund as in art.4, candidates must also meet the following additional requirements:
 - a. Being born or resident in Sicily;
 - b. Being aged 35 or less at the moment of the completion of the application procedure.

Art. 3 – Application form

1. The application form is web based and must be completed electronically through the University of Catania online application system available at <http://portalestudente.unict.it/portalestudente/mapServlet> described at paragraph. 10 of the present article by no later than **August 11th 2017, h.14,00 (2,00 PM). (Italian time)**
2. An application fee of € 50,00 as contribution to costs for the organization of the selection is required. It must be paid according to the procedures described at paragraph. 10, let. g) of the present article by no later than **August 11th 2017, h.13,30 (1,30 PM). (Italian time)**
3. The application form can be completed either in Italian or in English and must contain the following information:
 - a) name and surname, fiscal code, date and place of birth, address (including postal code), telephone number and e-mail;
 - b) nationality;
 - c) name of the Ph.D. course for which the candidates intends to apply;
 - d) name of his/her degree;
 - e) disability with percentage of disability, if any;
 - f) declaration of commitment to immediately communicate to dottorati@unict.it any change of address, telephone number or e-mail;
 - g) express indication of candidature for a place reserved to graduates from foreign universities (for Ph.D. programmes including this type of places and for graduates meeting this requirement only);
 - h) declaration of acknowledgment of the content of the present call.
4. The following annexes must be attached to application form:
 - a) *Curriculum vitae et studiorum*, duly dated and signed, containing the authorization to the treatment of personal data (Italian Legislative Decree n. 196/2003);
 - b) One of the following documents concerning admission requirements:
 - Self-certification of successful completion of the degree course, for candidates with *Laurea Vecchio Ordinamento*, *Laurea specialistica* or *Laurea magistrale* issued by an Italian university;

- Degree certificate (including transcript of records, final grade and date of the award of the degree) and request of equivalence (according to the form included in annex n.19, integral to this call), for graduates from foreign universities;
 - Self-certification of enrolment in the final year of the degree course, including transcripts of records, for candidates enrolled in the last year of *Laurea Vecchio Ordinamento*, *Laurea Specialistica* and *Laurea Magistrale* at any Italian Universities, who will complete the course and obtain the degree by no later than 31/10/2017;
 - Certificate stating the status of student in the final year, including transcripts of records, for candidates from foreign university who will complete the course and obtain the degree by no later than 31/10/2016;
- c) Research project;
 - d) List of publications with relative abstracts, if any;
 - e) Documents attesting English knowledge or further linguistic skills or computer skills, if any;
 - f) Documents concerning the completion of further university courses;
 - g) Declaration concerning the type of place for which the candidate intends to apply (according to the form included in annex n.20, integral to this call), for candidates who intend to apply for Ph.D. courses offering reserved places only;
 - h) Videoconference request form (according to the form included in annex n.21, integral to this call) for candidates living abroad and unable to reach Catania for the oral exam;
 - i) Copy of a valid Identity document;
 - j) Copy of receipt of payment of € 50,00.
5. All annexes listed in par. 4 must be uploaded one by one onto the online application system in PDF format. No other format than PDF is accepted. If the size of the document is larger than that indicated by the system, this document must be divided into two or more parts to be uploaded separately. All annexes can be either in English or in Italian. Any annex in a language other than English or Italian must be accompanied by a legal translation in English or in Italian, under penalty of inadmissibility to evaluation.
 6. Candidates who intend to apply for two or more different Ph.D. courses must complete two or more application forms separately and pay the application fee of € 50,00 for each application.
 7. Application forms will not be considered if either incomplete or submitted with different modalities and/or after the deadline indicated in this article. Furthermore, application forms will not be considered if the application fee is paid after the deadline indicated in par. 2 of this article.
 8. Candidates are strongly advised to complete the application procedure well in advance of the expiration date of this call in order to avoid the clogging of the online system due to the volume of applications. The University is not responsible whereas the candidate cannot complete the application procedure because of unforeseeable circumstances, force majeure or any event not imputable to the university's administration.
 9. Candidates are the sole responsible for the authenticity of the information included both in the application form and in the annexes. The university's administration is entitled to scrutinize the application forms and related annexes according to the legislation in force and to exclude, in any moment and provided a proper motivation, those candidates whose applications do not comply with this call requirements.
 10. In order to complete the application procedure, each candidate must:
 - a) Go to <http://portalestudente.unict.it/portalestudente/mapServlet>;
 - b) Complete the registration entering his/her personal data. On completion of the registration the online system will issue a PIN code to the candidate. The online system will also issue a temporary fiscal code to foreign candidates in order to let them complete the application procedure. (candidates already holding a PIN code will skip this step and start the procedure from c);
 - c) Enter his/her fiscal and PIN codes in the login box in order to access to his/her personal account;
 - d) Once in his/her account click "Prove di ammissione" and select the chosen Ph.D. course through the drop-down menu;
 - e) Enter personal data required and check their correctness;
 - f) Confirm the data clicking the apposite confirmation command;
 - g) Print the paying-in slip of the application fee generated by the online system after the confirmation of the application;
 - h) Pay the application fee in one of the following ways:
 - at the counter of any bank of the UNICREDIT banking group after minimum three hours from the issuing of the paying-in slip;
 - via credit card (VISA and MasterCard) from personal account (online payment).

- i) Upload all the documents required in par. 4 of this article in PDF format onto the online application system;
 - j) Print and save copy of the application form and save physical copy of the receipt of payment.
11. Candidates with disability who need assistance during the examination must submit formal request to the University's Centre for the Integration and Assistance to people with disability, Via A. di Sangiuliano 259, 95131 Catania, tel. 095/7307182-189-188, e-mail: personalecsd@unict.it, website <http://www.cinap.unict.it/>, quoting the name of the Ph.D. course for which they have applied.
This request must be submitted by no later than **August 11th, h. 12,30**. (12,30 AM Italian time).

Art. 4 – Type of places

1. Each Ph.D. courses includes places with scholarship and places without scholarship. When scholarships are associated to a specific research theme, the title of the theme is reported on the information sheet of the related Ph.D. course. After selected candidates are admitted to each doctoral program, the Ph.D. Academic board identifies the beneficiaries of the scholarships based on their study plans.
2. Scholarships can be funded by:
 1. the University of Catania;
 2. Italian partner universities;
 3. Foreign partner universities;
 4. Public/private institutions, highly qualified from a scientific/cultural point of view and with suitable personnel, facilities and equipment;
 5. European Social Fund – Operational Program for Sicily 2014-2020, Call 12/2017;
 6. Possibly additional scholarships funded through the National Operational Program for Research and Innovation 2014-2020 as in the Director Decree of the Ministry of Education, University and Research n. 1377/2017.
3. Places reserved to graduates from foreign universities (both with scholarship and without scholarship) that remain vacant can be made available for candidates to ordinary places, provided they are in the list of the selected candidates, with the exception of the Ph.D. course in "Neuroscience" with reference to the scholarship granted by the University of Bordeaux as reserved to graduates from this University. In case this place remains vacant, it will not be made available and the relative scholarship will not be assigned. In case this place is occupied, the principles included in art. 9, points 1-4, of Ministerial Decree 45/2013 will not apply to these scholarship, as required by point 5 of the same article; administrative and financial management of the scholarships will be the entire responsibility of the funding institution.
4. With reference to scholarships funded by Italian partner universities (point 2, let. b) and/or by public/private institutions (point 2, let. d), they are paid to the University of Catania in three instalments:
 1. The first instalment within thirty (30) days from the communication by the University of Catania of the name of the beneficiary of the scholarship;
 2. Second and third instalments within thirty (30) days from the communication by the University of Catania of the admission of the beneficiary to the academic years following the first.
5. With reference to scholarships funded by European Social Fund – Operational Program for Sicily 2014-2020, Call 12/2017, instalments will be paid to the University of Catania by the Regional Department for Education and Vocational Training for Sicily according to the following timetable and modalities:
 - a. an advance payment corresponding to 30% of the approved public funding at the beginning of the project, after the signature of a specific agreement and the communication of the start of the scholarships;
 - b. a further 30% of the approved public funding, possibly reformulated on the base of the scholarships effectively assigned, following the implementation of the program for at least 50% of the advance payment received, duly validated by the competent regional department;
 - c. a further 30% of the approved public funding, possibly reformulated on the base of the scholarships effectively assigned, following the implementation of the program for at least 100% of the advanced payment and 50% of the second instalment received, duly validated by the competent regional department;
 - d. the final balance payment on conclusion of the funded program, duly validated by the competent regional department.
6. With reference to scholarships funded through the National Operational Program for Research and Innovation 2014-2020 instalments will be paid according to the following modalities:

- a. an advance third of the total amount after the submission of the documents concerning the beneficiaries of the scholarships;
 - b. a further third of the total amount after the submission of the first complete annual account;
 - c. a final third of the total amount after the submission of the second complete annual account.
- On conclusion of the 36 months and after the submission of the third annual account, the Ministry of Education, University and Research will check the account and recalculate the amount actually due to the University proceeding to:
- a. possible confirmation of contributions already transferred;
 - b. recovery of amounts transferred in excess;
 - c. revocation of the contribution concerning the third year in case of negative assessment by the academic board.

Art. 5 – Selection procedures

1. According to each Ph.D. information sheet (see art. 1), candidates' selection can be based on one of the following procedures:
 - Evaluation of qualifications;
 - Evaluation of qualifications, written and oral examinations;
 - Evaluation of qualifications and oral examination.
2. As for the evaluation of qualifications, the following documents will be assessed:
 - *Curriculum vitae et studiorum*;
 - English language certificates, if any;
 - Publications, if any;
 - Research project.
3. In case of Ph.D. courses whose selection procedure is exclusively based on the evaluation of qualifications, pass mark is 80/120 according to the following criteria:

- <i>Curriculum vitae et studiorum</i>	30% of 120 points – max 36 points;
- English language certificates, if any	10% of 120 points – max 12 points;
- Publications, if any	10% of 120 points – max 12 points;
- Research project	50% of 120 points – max 60 points.
4. In case of Ph.D. courses whose selection procedure is based on the evaluation of qualifications, written and oral examinations, pass mark is an aggregate 80/120.
Candidates are admitted to the written examination if they obtain minimum 40/60 in the evaluation of qualifications according to the following criteria:

- <i>Curriculum vitae et studiorum</i>	30% of 60 points – max 18 points;
- English language certificates, if any	10% of 60 points – max 6 points;
- Publications, if any	10% of 60 points – max 6 points;
- Research project	50% of 60 points – max 30 points.

Candidates are admitted to the oral examination if they obtain minimum 20/30 in the written examination;
Candidates pass the oral examination if they obtain minimum 20/30.
5. In case of Ph.D. courses whose selection procedure is based on the evaluation of qualifications and oral examination, pass mark is an aggregate 80/120.
Candidates are admitted to the oral examination if they obtain minimum 40/60 in the evaluation of qualifications according to the following criteria:

- <i>Curriculum vitae et studiorum</i>	30% of 60 points – max 18 points;
- English language certificates, if any	10% of 60 points – max 6 points;
- Publications, if any	10% of 60 points – max 6 points;
- Research project	50% of 60 points – max 30 points

Candidates pass the oral examination if they obtain minimum 40/60.
6. The research project assessed by the selection committee in the phase of evaluation of qualifications and provisionally discussed in the oral examination is not binding to the research subject effectively assigned to candidates admitted to any doctoral program;
7. In case the selection procedure exclusively consists in the evaluation of qualifications, the selection committee will post the results of the selection on the website of the department offering the Ph.D. course. In case the selection procedure includes a written examination, the selection committee will post the results of the evaluation of qualifications on the website of the Department offering Ph.D. course at least three (3) days prior to the written examination.

In case the selection procedure also includes the oral examination, the selection committee will post the results of the evaluation of qualifications on the website of the Department offering Ph.D. course at least three (3) days prior to the oral examination.

In case the selection procedure consists in the evaluation of qualification and oral examination, the selection committee will post the results of the evaluation of qualifications on the website of the Department offering Ph.D. course at least three (3) days prior to the oral examination.

Each Ph.D. selection committee is the sole responsible for the prompt publication of the results of the selection procedure.

8. Written and oral examinations, where included, will be held in the dates, hours and places indicated each Ph.D. course information sheets annexed to this call. No written notice will be sent to candidates. Any variation of date, hour or place will be notified well in advance on www.unict.it (section "*Bandi, gare e concorsi*" > "*Studenti e post laurea*" > "*Dottorati di ricerca*"). Candidates admitted to written and oral examinations must bring with them an identity document.
9. Where expressly stated in the relative Ph.D. information sheet, candidates living abroad who are unable to reach Catania can take the sole oral examination in the form of video conference interview, provided it is held at either a higher education institution or consulate/diplomatic mission. The candidate is full and sole responsible for the correct indication of the video conference address to be used by the selection committee for the oral interview. The candidate must be available in the date of the oral interview in the date indicated in the related Ph.D. information sheet. The selection committee is entitled to arrange with the candidate the exact time of the oral interview. Before the oral interview, the candidate is required to exhibit his/her identity document. Non-indication or incorrect indication of video conference address, non-connection - whatever the cause - with either the higher education institution or the consulate/diplomatic mission, unavailability of the candidate on the day and hour established by the selection committee and non-exhibition of the identity document represent causes of exclusion from the selection procedure. The University of Catania decline all responsibility for any unpredicted technical problem impeding the oral exam in the form of video conference interview.

Art. 6 – Designation and tasks of the Selection Committee

1. Each Selection Committee is composed according to art. 13 of the current Regulation of the University of Catania concerning Ph.D. courses.
2. Prior to the evaluation of qualifications, selection committees must establish the criteria of assignation of points to each document to be assessed (*curriculum vitae et studiorum*, English language certificates, publications and research project). In case of candidates who do not already hold the degree required to access a Ph.D. course, the selection committee must take into account the average grade related to exams passed by the candidate at the moment of the application in order to assess his/her academic career properly. The selection committees can take into account any further qualifications or certifications issued by academic institutions.
3. Prior to written examinations or oral examinations, when included, selection committees must establish the criteria of development and evaluation of these exams and give appropriate information to candidates.
4. Upon completion of the selection procedure, each selection committee draws up the list of successful candidates, ranked in descending order of score. Scores being equal, the younger candidate prevails (law 16.6.1998, n. 191). The list is signed by both the President and the Secretary of the Selection committee and is affixed to the Notice board of the University's Department where the selection takes place and posted on the same Department's website.
5. In case of places reserved to graduates from foreign universities, the selection committee draws a separate list of successful candidates ranked in descending order of score. Scores being equal, the younger candidate prevails (law 16.6.1998, n. 191). The list is signed by both the President and the Secretary of the Selection committee and is affixed to the Notice board of the University's Department where the selection takes place and posted on the same Department's website. Any reserved place remained vacant after the selection procedure can be made available for candidates in the list concerning ordinary places (see art.4, par.3).

Art. 7 – Approval of the acts of the selection

1. The acts of the selection and the list of successful candidates eligible for Ph.D. places are officially issued through a decree of the Rector of the University of Catania. The Rector's Decrees will be posted on www.unict.it (section "*Bandi, gare e concorsi*" > "*Studenti e post laurea*" > "*Dottorati di ricerca*").

Art. 8 – Admission to Ph.D. courses

1. Candidates are admitted to Ph.D. programs according to the descending order on the list of selected candidates until all the places available within each course are allocated. Successful candidates eligible for a place in two or more Ph.D. course are requested to choose the Ph.D. course in which they wish to enroll.
2. Candidates are excluded if they do not comply with enrolment procedures (see art. 9) within the deadline indicated in a following notification. This be the case, the next candidate in the list in descending order of score becomes eligible to fill the vacant place.
3. As a general rule, it is possible to allocate any places remained vacant due to renunciation of candidates preceding on the list within three months from the beginning of course activities. This term of three months can be extended in case of availability of scholarships – even after the beginning of course activities - within the framework of communitarian, ministerial or regional programs expressly concerning Ph.D. courses of Cycle XXXIII (academic year 2017/2018). Incoming candidates, either for places with scholarships or places without scholarships, will be informed by email on enrolment procedures and deadline. Failure to comply with enrolment procedures will lead to the exclusion from the course.
4. Top candidates on the list are admitted to a place with scholarship to the extent of the number of available scholarships. On completion of the allocation of places with scholarships, incoming candidates on the list in descending order of score are admitted to a place without scholarship to the extent of the number of available places without scholarship.
5. Candidates admitted to Ph.D. courses are required to pay enrolment fees for an amount established by the Board of Trustees of the University of Catania as stated in the following article 9.
6. Candidates who have attended a Ph.D. course in a place with scholarship can only be enrolled as Ph.D. student in places without scholarship.
7. Candidates with disability corresponding to 66% are admitted to the programme in supernumerary places without scholarship, even if their position on the list is below the corresponding number of places in the Ph.D. program. Supernumerary places without scholarship reserved to candidates with disability can be up to half of the ordinary places. Candidates with disabilities are exempted from the payment of enrolment fees (Regulation of the University of Catania on Ph.D. Courses, art. 12, pt. 7).

Art. 9 – Enrolment procedures

1. Candidates admitted to Ph.D. courses are officially appointed in a decree of the Rector available at the university's website www.unict.it (section "*Bandi, gare e concorsi*" > "*Studenti e post laurea*" > "*Dottorati di ricerca*") from October 16 2017 to October 24 2017.
2. Admitted candidates must submit the enrolment form and pay the enrolment fee (see following par. 4, lett. e) according to the procedure described in par. 3 and 4 by no later than the deadline indicated in the communication posted along with the Rector's Decree. This communication represents the only official form of information. No personal notice is sent to candidates.
3. The enrolment application must include the following information:
 - a) Name and surname, fiscal code, date and place of birth, address (including postal code), telephone number and e-mail;
 - b) Disability with indication of percentage, if any;
 - c) Declaration of commitment to attend the Ph.D. course full time according to the modalities fixed by the academic board.
4. The enrolment form is web based. To complete the enrolment form candidates must:
 - a) Go to <http://portalestudente.unict.it/portalestudente/>;
 - b) Enter their fiscal code and PIN code, already used during the application procedure, in the specific login box;
 - c) Click "Immatricolazione" from their personal account;
 - d) Enter all the details required in the various stages and confirm them;
 - e) Print the paying-in slip generated by the online system after the confirmation of the details for an amount of:



- € 359,00 in case of enrolment in a place with scholarship;
 - € 159,00 in case of enrolment in a place without scholarship;
 - € 16,00 for candidates with disabilities corresponding to 66% or more, whatever the type of place.
- f) Pay the enrolment fee in one of the following ways:
- at any counter of a bank of the UNICREDIT banking group at least after three hours from the emission of the paying-in slip;
 - via credit card (VISA, MasterCard and Maestro) from personal account (online payment).
5. Enrolment forms submitted with modalities other than those indicated in the present article or after the deadline in the aforementioned notice (see pt.2) will not be considered. Enrolment forms without the enrolment fee paid in the modalities and by the deadline indicated in the present article will not be considered either. The University of Catania decline all responsibility for failure to complete the enrolment procedure due to either facts not imputable to its administration or fortuitous event or force majeure.
 6. Candidates' failure to comply with the aforementioned provisions is considered equivalent to formal renunciation to the place in the Ph.D. course. Vacant places will be made available for incoming candidates on the list in descending order of score to the extent of the number of available places in the program. These latter candidates will be informed on enrolment procedures and deadline through an email sent to the email address indicated in the application form. Failure to comply with enrolment procedures will lead to the exclusion from the course.
 7. The renunciation to a place in a Ph.D. program does not give the right to a refund of the enrolment fee even when the candidate has not attended any course activities.
 8. Selected candidates who intend to renounce to a Ph.D. place are strongly requested to send immediate written notice to dottorati@unict.it in order to allow the university's administration to allocate places remained vacant as quickly as possible to the extent the number of available places in a program. A copy of the identity card in PDF format must be attached to the notice.
 9. Selected candidates admitted in places with scholarship must send to dottorati@unict.it the following documents in PDF format within the deadline included the aforementioned communication:
 - a) Document from the National Institute for Social Security attesting the candidate's contributory role;
 - b) Declaration concerning the candidate's registration or non-registration in other forms of social security;
 - c) Copy of the fiscal code or health insurance card
 - d) Copy of a validity identity document duly signed;
 - e) Form including bank details;
 - f) Declaration of acknowledgement that scholarships are exempted from income tax imposed on physical persons and that under no circumstances can they give assessments for the purpose of the career;
 - g) Certificate attesting foreign nationality residency permit with indication of the authority issuing the permit.
 10. Candidates who benefit from scholarships financed through communitarian, national, regional programs must also submit further documents as required in the related calls. These candidates will be informed on this matter through an email sent to the email address indicated in the application form.

Art. 10 - Scholarship

1. Candidates entitled to a scholarship are granted are remunerated according to the law in force.
2. Each scholarship amounts to € 13.638,47 per year, before taxes charged on the scholarship holder. This amount is adjusted according to increases established by the law. The amount of the scholarship is increased up to 50% in correspondence and proportionally to study periods at foreign universities or research centres for maximum 18 months of the entire duration of the Ph.D. course.
3. The duration of each scholarship corresponds to the duration of the Ph.D. course (36 months). They are assigned to candidates according to their position on the list of candidates admitted to the Ph.D. course . The grant of the scholarship is confirmed if the candidate is admitted to the year following the first.
4. At the end of each year doctoral students submit a detailed record of their research activity to the academic board. The academic board assesses each doctoral student research work and admits him/her to the following year or expel him/her from the course.
5. By no later than November 15 of each year Ph.D. students must enroll in the following year. The enrolment is subject to the decision of the academic board according to art. 15, par. 4 of the Regulation of the university of Catania for Ph.D. courses. Failure to renew the enrolment leads to the exclusion from the Ph.D. course.

6. The payment of the scholarship is conditioned to the effective attendance to course activities. Any remains will be deposited to be used in subsequent cycles of Ph.D. course.
7. The payment of the scholarship consists in a two-month instalment for November and December and in monthly instalments for the remaining months. Payments are deferred to the months following the month of reference.
8. The provisions concerning tax benefit included in art. 4, Law 476/1984 apply to doctoral scholarships.
9. Scholarships cannot be combined with other financial contributions unless these latter are granted by national or international institutions and destined to research work abroad.
10. Candidates who have already benefited from a doctoral scholarship or even portion of it cannot be granted a scholarship for a second time.

Art. 11 – Rights and duties of Ph.D. Students

1. With reference to rights and duties of Ph.D. students, candidates are required to refer to chapter V of the Regulation of the University of Catania for Ph.D. courses.

Art. 12 – Personal data

1. According to law 196/2003 and the regulation on treatment of personal data of the University of Catania, each candidate's personal data are treated with exclusive reference to the management of their career as Ph.D. student and to all procedures connected to this call.

Art. 13 – Officials in charge of procedure

1. According to art.5, subparagraph 1, of Law 241/90, the official in charge of the procedure is:
 - the chairperson of the selection committee with reference to the selection procedure, from the appointment of the committee members to the publication of the selection results;
 - Mr Paolo Moscato (Ph.D. Students Office), with reference to the procedures connected to the present call;
 - Mr Salvatore Libertini (Ph.D. Students Office), with reference to the procedures concerning foreign candidates.

Art. 14 – Final measures

1. The administration considers the possibility of modifications, updates or integrations to the present call - to be exclusively advertised through www.unict.it (section "*Bandi, gare e concorsi*" > "*Studenti e Post laurea*" > "*Dottorati di ricerca*") in case the number of places with scholarships, and consequently the number of places without scholarships, increases due to further funds made available after the issuing of this call provided the respect of the terms of assignment of places to candidates on the pass list.
2. Any aspect(s) related to Ph.D. course and not expressly covered in the present call is governed by Ministerial Decree 45/2013, International cooperation agreements and other legislation in force concerning Ph.D. course.

CATANIA, 14 lug, 2017

THE RECTOR
(F. Basile)

IL PRORETTORE

Prof. Giancarlo Magnano San Lio

Title of the Ph.D. course	AGRICULTURAL, FOOD AND ENVIRONMENTAL SCIENCE (INTERNATIONAL)
Scientific area	Agriculture
Duration	3 years
Department	Department of Agriculture, Food and Environment
Department website	http://www.di3a.unict.it/
Ph.D. Course Coordinator	Prof. Cherubino Leonardi
Partner Institution(s)	Technical University of Lisbon (Portugal)
Research theme(s)	<p>Due to its interdisciplinary nature covering all sectors of Area 07, the Ph.D. course aims at training professional figures qualified for both pure and applied research in the domain of agriculture, food and environment, capable of:</p> <ul style="list-style-type: none"> - organizing and conducting experiments in the diverse phases of the interested industries, interpreting results by means of suitable statistical methodologies; - making choices allowing to obtain programmed production in terms of quality, quantity and time and without negative impact on the environment and the healthiness of products; - managing agri-food and environmental systems for the protection of land and water resources; - managing machinery and products utilized in agriculture and agri-food industry; - checking, also by means of innovative, eco-compatible technologies, adversities, both biotic and abiotic, threatening agricultural and food produce and agricultural and forest ecosystems; - analyzing agri-food systems in order to intervene on the planning and management of the diverse industries and to know economic instruments to protect and manage the environment; - transferring advanced, innovative technologies to agricultural and food processes and products, with respect to eco-sustainability; - training experts on rural development
Available places	<p>1) Places with scholarship financed by the University of Catania: 3 2) Places with scholarship financed through the European Social Fund – Sicily 2014/2020, Call 12/2017: 3 3) Places without scholarship: 1 TOTAL: 7</p>
Selection procedures	<p>1) Evaluation of qualifications; 2) Oral interview Candidates living abroad can take the form of videoconference interview</p>
Date, place, format and language of the oral interview	<p>Date: September 14 2017, h. 9:00 (9,00 AM Italian time) Place: Via Valdisavioia n.5 – Di3A – Aula “A. Jannaccone” (1^o piano), Catania Format: Discussion of the submitted project and assessment of the candidate's knowledge of themes pertaining the Ph.D. course Language: Italian and English</p>

ANNEX n. 2

Title of the Ph.D. Course	BASIC AND APPLIED BIOMEDICAL SCIENCES (INTERNATIONAL)
Scientific area	Medicine and surgery
Duration	3 years
Department	Department of Biomedical and Biotechnological Science
Department website	http://biometec.unict.it/
Ph. D. Course Coordinator	Prof. Massimo Libra
Partner Institution(s)	University of Crete (Greece)
Research themes	1) Traslational oncology, immunology and aging; 2) Experimental surgery and anatomy; 3) Molecular Biomedicine and Biotechnology; 4) Molecular Genetics, Microbiology and Virology
Available places	1) Places with scholarship financed by the University of Catania: 2 2) Places with scholarship financed through the European Social Fund – Operational Program for Sicily 2014-2020, Call 12/2017: 3 3) Places without scholarship: 1 TOTAL: 6
Selection Procedure	1) Evaluation of qualifications

Title of the Ph.D.	TRASLATIONAL BIOMEDICINE (INTERNATIONAL)
Scientific area	Medicine and Surgery
Duration	3 years
Department	Department of Clinical and Experimental Medicine
Department website	http://www.medclin.unict.it
Ph.D. Course Coordinator	Prof. Lorenzo Malatino
Partner Institution(s)	University of Granada (Spain)
Research themes	Physiopathology of complex diseases: from clinical observation to molecular mechanisms
Available places	1) Places with scholarship financed by the University of Catania: 2 2) Places with scholarship financed through the European Social Fund - Sicily 2014/2020, Call 12/2017: 3 3) Places without scholarship: 1 TOTAL: 6
Selection procedures	1) Evaluation of qualifications 2) Oral interview
Date, places, format and language	Date: September 20 2017, h. 9,30 (9,30 AM Italian time) Place: Garibaldi Nesima, Aula Endocrinologia, Via Palermo n. 636, Catania Format: discussion of the submitted project Language: Italian

ANNEX n. 4

Title of the Ph.D. course	BIOTECHNOLOGIES
Scientific area	INTERDISCIPLINARY
Duration	3 years
Department	Department of Biomedical and Biotechnological Sciences
Department website	http://biometec.unict.it/
Ph.D. Course Coordinator	Prof. Vito De Pinto
Partner Institution(s)	None
Research themes	<p><u>Molecular Biotechnologies</u></p> <ol style="list-style-type: none"> 1) Novel mechanisms of cell-to-cell communication: extracellular vesicles in CNS health and disease; 2) Identification and modulation of DNA-protein molecular interaction: principles of biological recognition for therapeutic approach; 3) Crystallization and structural analysis of membrane proteins; 4) Use of interfering peptides to fight interactions between VDAC1 and proteins/peptides associated to neuro-degenerative diseases; 5) Role of metal-chaperone and research of new targets in neovascular disorders. <p><u>Biomedical and preclinical biotechnologies</u></p> <ol style="list-style-type: none"> 1) Innovative Cell Strategies with Stem/neuroprogenitors and Astrocytes to Boost Neurorepair/Regeneration in Neurodegenerative Diseases; 2) Receptors stimulating adenylate cyclase as new pharmacological targets for the Chromosome X Fragile Syndrome; 3) Preclinical approaches of regenerative medicine: use of scaffold 3D in osteochondral regeneration; 4) Synaptic dysfunction in neurodevelopmental disorders associated to autism and intellectual disability; 5) Biotechnological approaches and preclinical imaging in animal modelling of neurodegenerative diseases. <p><u>Agri-food biotechnologies</u></p> <ol style="list-style-type: none"> 1) Lactic bacteria and functional food, an historical association for a new challenge 2) Omic sciences and analysis of host-pathogen interaction for the purpose of resistance; 3) "Priming process" effect in the response to abiotic stress in Citrus plants; analysis of transcriptome, epigenetic modifications and microbiome alterations; 4) Genomics, transcriptomics and proteomics of animal production; 5) Zootechnical biodiversity e mechanisms of adaptation to hot climate; 6) Cross-talk analysis of hormone metabolism and sugar transport during the differentiation of the inflorescence of barley and caryopsis development <p><u>Pharmaceutical Biotechnologies</u></p> <ol style="list-style-type: none"> 1) Nanobiomaterials as Targeted Delivery System in the therapeutic area; 2) Planning and synthesis of new "molecular tools" as theranostic and multimodal instruments
Available places	<ol style="list-style-type: none"> 1) Places with scholarship financed by the University of Catania: 4 2) Places without scholarship: 1 <p>TOTAL: 5</p>
Selection procedures	<ol style="list-style-type: none"> 1) Evaluation of qualifications 2) Oral Interview <p>Candidates living abroad can take the oral interview in the form of video conference interview</p>
Date, place, format and language of the oral interview	<p>Date: September 25 2017, h. 10,00 (10,00 AM Italian time)</p> <p>Place: Dipartimento di Scienze Biomediche e Biotechnologiche, Via Santa Sofia n.97, Catania (examination room to be determined)</p> <p>Format: interview focusing on the candidate's qualifications and career, the research project chosen by the candidate among those reported in "Research themes" or other project directly submitted by the candidate, on his/her reasons for the choice of the theme and on his/her scientific knowledge suitable to carry out the chosen project.</p> <p>Language: Italian and English</p>

Title of the Ph.D. course	PHYSICS	
Scientific field	Mathematics, physics and natural sciences	
Duration	3 years	
Department	Department of Physics and Astronomy	
Department website	http://www.dfa.unict.it/	
Ph.D. course Coordinator	Prof. Vincenzo Bellini	
Partner Institution(s)	National Institute for Nuclear Physics (INFN)	
Research Themes	Themes related to the Ph.D. course curricula: 1. Nuclear and sub-nuclear Physics; 2. Matter Physics and Quantum Technology; 3. Astrophysics; 4. Applied Physics.	
Available places	Ordinary places: 1) Places with scholarship financed by the National Institute for Nuclear Physics-Laboratori Nazionali del Sud: 2 2) Places with scholarship financed by National Institute for Nuclear Physics –Catania: 1 3) Places with scholarship financed through the European Social Fund - Sicily 2014/2020, Call 12/2017: 2 4) Places without scholarship: 1 TOTAL: 6	Places reserved to graduates from foreign universities: 1) Places with scholarship financed by the University of Catania: 2 2) Places without scholarship: 1 TOTAL: 3
Selection procedures	Ordinary places: 1) Evaluation of qualifications; 2) Written exam; 3) Oral interview.	Places reserved to graduates from foreign universities: 1) Evaluation of qualifications; 2) Oral interview. Candidates living abroad can take the oral interview in the form of video conference interview
Date, place, format, duration and language of the written examination	Date: September 19 2017, h. 9:30 (9,30 am Italian time) Place: Dipartimento di Fisica ed Astronomia, via S. Sofia, n. 64 - Catania Format: Short paper plus solution of physics exercises Duration: 210 minutes Language: Italian	
Date, place, format and language of the oral interview	Date: September 23 2017, h. 9:30 (9,30 AM Italian time) Place: Dipartimento di Fisica ed Astronomia, via S.Sofia, n. 64 - Catania Format: Discussion of the research project and assessment of the candidate's skills necessary to complete the project. Language: Italian or English	

Title of the Ph.D. course	LAW (INTERNATIONAL)
Scientific field	Law
Duration	3 years
Department	Department of Law
Department website	http://www.lex.unict.it/
Ph.D. Course Coordinator	Prof. Anna Maria Maugeri
Partner Institution(s)	University of Castilla – La Mancha (Spain)
Research themes	The Ph.D. course is aimed at training lawyers expert in techniques and methodologies of legal research, providing them with tools suitable for the identification of solution of interest conflicts in a globalised reality. To this purpose, the structure of the course consists, on one hand, in the in-depth analysis of interdisciplinary and general topics connected to legal studies (not only related to positive law, but also involving historical and philosophical aspects), and in the study of argumentation techniques and legal research methodology, including comparison to foreign systems and confrontation to European Union law and international law; on the other, in a specific study related to scientific sectors on which the final thesis is focused. The course is aimed at teaching research methods through an approach in the domain of the so called multilevel constitutionalism, featuring all branches of law and proceeding from the European Convention of Human Rights, as interpreted by the Court of Strasbourg, and the fundamental principles of the EU (enshrined in the Chart of fundamental rights) in the light of the jurisprudence of the Court of Justice to national constitutions as interpreted by constitutional courts.
Available places	1) Places with scholarship financed by the University of Catania: 2 2) Places with scholarship financed through the European Social Fund - Sicily – Call 12/2017: 2 3) Places without scholarship: 1 TOTAL: 5
Selection procedures	1) Evaluation of qualifications 2) Written examination 3) Oral examination
Date, place, format, duration and language of the written examination	Date: September 13 2017 h. 8,30 (8,30 AM Italian time) Place: Dipartimento di Giurisprudenza, Via Gallo 24 – 95124 Catania Format: short paper, set of open-ended questions Duration: 300 minutes (5 hours) Language: Italian
Date, place, format and language of the oral examination	Date: September 21 2017 h. 8,30 (8,30 AM Italian time) Place: Dipartimento di Giurisprudenza, Via Gallo 24 – 95124 Catania Format: Discussion of the submitted project, assessment of knowledge of research themes concerning the Ph.D. course. Language: Italian

ANNEX n. 7

Title of the Ph.D. course	COMPUTER SCIENCE (INTERNATIONAL)
Scientific area	Mathematics, physics and natural science
Duration	3 years
Department	Department of Mathematics and Computer Science
Department website	http://web.dmi.unict.it
Ph.D. course Coordinator	Prof. Sebastiano Battiato
Partner Institution(s)	University of Hertfordshire (U.K) University of Malta (Malta)
Research themes	<p>The 3-year Ph.D. course in Computer Science is primarily aimed at training young researchers in the domains of Computer Science, both basic and applied, and developing professionals with career opportunities in the academic world as well as in the industry.</p> <p>The principal research themes concern:</p> <ul style="list-style-type: none"> • Algorithms and Combinatorics • Artificial Intelligence • Assistive Technologies; • Autonomous Systems; • Big Data; • Computer Vision and applications; • Cryptography and Security • Multimedia Forensics; • Smart Cities & Communities; • Video Analytics (e.g. Retail, Security, etc.)
Available places	<p>1) Places with scholarship financed through European Social Fund - Sicily 2014/2020 – Call 12/2017: 2</p> <p>2) Places with scholarship financed by the Department of Mathematics and Computer Science: 1</p> <p>Research theme: Computer Vision</p> <p>3) Places with scholarship financed by DWORD: 1</p> <p><u>Research theme</u>: Computer vision systems for localization</p> <p>4) Places with scholarship financed by ENEL GREEN POWER: 2</p> <p><u>Research theme 1</u>: Application of machine learning techniques and artificial intelligence to team control of remotely or autonomously piloted vehicles/robots for industrial applications such as automation of processes of building /maintenance/inspection of renewable energy production plants.</p> <p><u>Research theme 2</u>: Use of techniques of Big Data analysis and Io T infrastructures for applications such as maximization of operational efficiency/production and predictive maintenance of production plants of energy from renewable sources.</p> <p>5) Places without scholarship: 1</p> <p>TOTAL: 7</p>
Selection procedures	Evaluation of qualifications

Title of the Ph.D. Course	SYSTEMS, ENERGY, COMPUTER AND TELECOMMUNICATION ENGINEERING
Scientific area	Industrial and Information Engineering
Duration	3 years
Department	Department of Electric, Electronic and Computer Engineering
Department website	http://www.dieei.unict.it/
Ph.D. Course Coordinator	Prof. Paolo Arena
Partner Institution(s)	None
Research themes	<p>The Ph.D. course learning paths concern Electronics, Automation, Complex Systems Engineering and Control, Instrumentation, Sensors and Wireless Networks of Sensors, Internet of Things, Big Data, Mechanics, Materials, Bio-engineering and Bio-Robotics, Microsystems, Generation, Transmission, Use, Management and Control of Energy, Information Systems, Systems of Telecommunications and Magnetic Fields with a focus on themes related to Smart Systems, Cities and Environment.</p> <p>The course provides candidates with a skill profile that associates technical-scientific training with the development of a research project to be carried out at highly qualified institutions, both national and international, or enterprises. The academic board is integrated by foreign academics who support candidates in their training and research work.</p>
Available places	<ol style="list-style-type: none"> 1) Places with scholarship financed by the University of Catania: 3 2) Places with scholarship financed through the European Social Fund – Sicily 2014/2020 – Call 12/2017: 3 3) Places with scholarship financed by the Department of Electric, Electronic and Computer Engineering of the University of Catania: 1 <p><u>Research theme:</u> “Power devices in Si, SiC and GaN, switching converters and their industrial applications”</p> <ol style="list-style-type: none"> 4) Places with scholarship financed by Xenia Network Solutions S.r.L.: 1 <p><u>Research theme:</u> “Analysis of network architecture and protocols based on SDN/NFV paradigm in a 5G ecosystem”.</p> <ol style="list-style-type: none"> 5) Places with scholarship financed by ENEL GREEN POWER: 1 <p><u>Research theme:</u> Characterization and maximization of the efficiency of plants for the production of electric power from renewable forces through use of distributed power electronics</p> <ol style="list-style-type: none"> 6) Places without scholarship: 1 7) Places without scholarship reserved to graduates from foreign universities: 1 <p>TOTAL: 11</p>
Selection procedures	Evaluation of qualifications

Title of the Ph.D. course	MATHEMATICS AND COMPUTATIONAL SCIENCE	
Scientific area	Mathematics, physics and natural sciences	
Duration	3 years	
Department	Department of Mathematics and Computer Science	
Department website	http://web.dmi.unict.it/	
Ph.D. course Coordinator	Prof. Giovanni Russo	
Partner Institution(s)	1) University of Palermo 2) University of Messina	
Research themes	Ph.D. course research themes relate to almost all sectors of pure and applied mathematics and computational science. In particular, the following research areas are explored: Algebra, Topology, Geometry, Mathematical Analysis, Didactics of Mathematics, Probability Calculation, Mathematical Physics, Numerical analysis, Operations research, Computational Science.	
Available places	Ordinary places: 1) Places with scholarship financed by the University of Catania: 1 2) Places with scholarship financed through the European Social Fund Sicily 2014/2020 Call 12/2017: 2 3) Places with scholarship financed by the University of Palermo: 3 4) Places with scholarship financed by the University of Messina: 3 1) Places without scholarship: 2 TOTAL: 11	Places reserved to graduates from foreign universities: 1) Places without scholarship: 1 TOTAL: 1
Selection procedures	Ordinary places: 1) Evaluation of qualifications; 2) Written examinations 3) Oral interview	Places reserved to graduates from foreign universities: 1) Evaluation of qualifications; 2) Oral interview Language of the oral interview: English Candidates living abroad can take the oral examination in the form of video conference interview
Date, place, format, duration and language of the written examination	Date: September 12 2017, h. 15:00 (3 PM Italian time) Place: Dipartimento di Matematica e Informatica, Università di Catania, Viale Andrea Doria 6, Catania Format: short paper Duration: 240 minutes Language: Italian or English (to be chosen by the candidate)	
Date, place, format and language of the oral interview	Date: September 18 2017, h. 15:00 (3 PM Italian time) Place: Dipartimento di Matematica e Informatica, Università di Catania, Viale Andrea Doria 6, Catania Format: discussion of the submitted project and assessment of the candidate's knowledge of the themes pertaining the Ph.D. course. Language: Italian or English	

Title of the Ph.D. course	NEUROSCIENCE (INTERNATIONAL)	
Scientific area	Medicine and surgery	
Duration	3 years	
Department	Department of Biomedical and Biotechnological Science	
Department website	http://biometec.unict.it/	
Ph.D. Course Coordinator	Prof. Salvatore Salomone	
Partner Institution(s)	University of Bordeaux (France)	
Research themes	Neuropsychopharmacology (preclinical models of addiction, depression schizophrenia, dopaminergic system) Ocular pharmacology (preclinical models, in vitro and in vivo, of retinopathy, preclinical models of glaucoma) Biological basis of neurodegenerative diseases Innovative drug delivery systems (e.g. nanoparticle) and CNS drug delivery systems Stem cells and cell differentiation to natural type Clinical neuroscience of neurodegenerative diseases Primary SNC cancers	
Available places	Ordinary places: 1) Places with scholarship financed by the University of Catania: 3 2) Places with scholarship financed through the European Social Fund –Sicily 2014-2020, Call 12/2017: 3 3) Places without scholarship: 1 TOTAL: 7	Places reserved to graduates from the University of Bordeaux (France): 1) Places with scholarship financed by the University of Bordeaux (France): 1 TOTAL: 1
Selection procedure	Ordinary places: 1) Evaluation of qualifications; 2) Oral interview Candidates living abroad can take the oral interview in the form of videoconference interview	Places reserved to graduates from the University of Bordeaux (France): 1) Evaluation of qualifications; 2) Oral interview Candidates living abroad can take the oral interview in the form of videoconference interview
Date, place, format and language of the oral interview	Date: September 19 2017, h. 9,00 (9,00 AM Italian Time) Place: Torre Biologica, Via S. Sofia 97, Catania Content: Discussion of the submitted project in connection to the research themes pertinent to the Ph.D. course Language: English	

Title of the Ph.D. Course	MATERIALS SCIENCE AND NANOTECHNOLOGIES
Scientific area	Mathematics, Physics and Natural Science
Duration	3 years
Department	Department of Physics and Astronomy
Department website	http://www.dfa.unict.it/
Ph.D. Course Coordinator	Prof. Maria Grazia Grimaldi
Partner Institution(s)	University of Palermo
Research themes	Materials and nanotechnologies for the environment, Energy, health, electronics and photonics
Available places	<ol style="list-style-type: none"> 1) Places with scholarship financed by the University of Catania: 1 2) Places with scholarship financed through the European Social Fund Sicily 2014/2020, Call 12/2017: 2 3) Places with scholarship financed by the University of Palermo: 3 4) Places with scholarship financed by IMM-CNR: 2 <p><u>Research theme 1:</u> Improvement of the quantum efficiency in photovoltaic and/or photonic systems</p> <p><u>Research theme 2:</u> Techniques to reduce crystallographic defects in 3C-SiC/Si heteroepitaxy</p> <ol style="list-style-type: none"> 5) Places without scholarship: 2 <p>TOTAL: 10</p>
Selection procedures	<ol style="list-style-type: none"> 1) Evaluation of qualifications; 2) Oral Interview. <p>Candidates living abroad can take the oral interview in the form of video-conference interview</p>
Date, place, format and language of the oral interview	<p>Date: September 20 2017, h. 9,00 (9 AM Italian time)</p> <p>Place: Dipartimento di Fisica e Astronomia, via S. Sofia 64, Catania aula A (examination room A)</p> <p>Format: discussion of the research project with reference to basic themes, assessment of the candidate's knowledge of the preparation, characterization and properties of nanostructured materials.</p> <p>Language: Italian and English</p>

Title of the Ph.D. Course	CHEMICAL SCIENCES (INTERNATIONAL)
Scientific area	Mathematics, physics and natural science
Duration	3 years
Department	Department of Chemical Science
Department website	http://www.dipchi.unict.it/
Ph.D. Course Coordinator	Prof. Salvatore Sortino
Partner Institution(s)	University of Gothenburg (Sweden)
Research themes	Nanomedicine, Energy conversion and Environment protection, Supramolecular Chemistry, Chemistry of Natural compounds
Available places	1) Places with scholarship financed by the University of Catania: 3 2) Places with scholarship financed through the European Social Fund Sicily 2014/2020 – Call 12/2017: 2 3) Places without scholarship: 1 TOTAL: 6
Selection procedures	1) Evaluation of qualifications 2) Oral Interview Candidates living abroad can take the oral interview in the form of video conference interview
Date, place, format and language of the oral interview	Date: September 25 2017, h. 9,00 (9,00 AM Italian time) Place: Dipartimento di Scienze Chimiche, Viale Andrea Doria 6, Catania Format: Presentation of the Research project and assessment of the candidate's basic knowledge concerning research activity. Language: English

Title of the Ph.D. course	SCIENCE OF INTERPRETATION
Scientific area	Humanities
Duration	3 years
Department	Department of Humanities
Department website	http://www.disum.unict.it/
Ph.D. course Coordinator	Prof. Antonino Sichera
Partner Institution(s)	None
Research themes	Intersection between philosophical and literary hermeneutics; hermeneutical analysis of literary and philosophical texts; philology of texts and critical editions; linguistic analysis of literary production and construction of philosophical languages through lemmas; digital humanities for interdisciplinary key texts: concordances, hypertexts, etc.
Available places	1) Places with scholarship financed by the University of Catania: 4 2) Places without scholarship: 1 TOTAL: 5
Selection procedures	1) Evaluation of qualifications 2) Oral interview
Date, place, format and language of the oral interview	Date: September 20 2017, h. 10.00 (10,00 AM Italian time) Place: Dipartimento di Scienze Umanistiche (Piazza Dante 32 – 95124 CATANIA) Format: discussion of the project submitted, knowledge of research themes connected to the Ph.D. course. Language: Italian (Level B1)

Title of the Ph.D. Course	EARTH AND ENVIRONMENTAL SCIENCES
Scientific area	Mathematics, Physics and Natural Science
Duration	3 years
Department	Department of Biological, Geological and Environmental Science
Department website	http://www.dipbiogeo.unict.it/
Ph.D. Course Coordinator	Prof. Agata Di Stefano
Partner Institution(s)	None
Research themes	Curriculum GEOSCIENCE; Curriculum ENVIRONMENTAL BIOLOGY AND BIOTECHNOLOGIES
Available places	1) Places with scholarship financed by the University of Catania: 3 2) Places with scholarship financed through the European Social Fund - Sicily 2014/2020 – Call 12/2017: 2 3) Places without scholarship: 1 TOTAL: 6
Selection procedures	1) Evaluation of qualifications 2) Oral Interview Candidates living abroad can take the oral interview in form of video conference interview
Date, place, format and language of the oral interview	Date: September 20 2017, h. 9,00 (9,00 AM Italian time) Luogo: Dipartimento di Scienze Biologiche, Geologiche e Ambientali, Sezione di Scienze della Terra, corso Italia, 57 -95129 CATANIA (info tel. 095-7195713; -787) Format: discussion of the submitted project, assessment of knowledge of research themes pertaining the Ph.D. course Language: ENGLISH

Title of the Ph.D. Course	SCIENCES OF CULTURAL HERITAGE AND PRODUCTION
Scientific area	Humanities
Department	Department of Humanities
Department website	http://www.disum.unict.it/
Ph.D. Course Coordinator	Prof. Pietro Militello
Partner Institution(s)	None
Research themes	History of cultural heritage and its interpretation. Material and immaterial cultural heritage (archaeological, archival, philological-documental, historical-artistic, historic-music and performative). Archaeometry and sciences applied to cultural heritage (physics, computer science, geophysics and geology). Economics of cultural heritage and production. Communication technologies for Cultural Heritage
Available places	1) Places with scholarship financed by the University of Catania: 2 2) Places with scholarship financed through the European Social Fund – Sicily 2014/2020, Call 12/2017: 2 3) Places without scholarship: 1 TOTALE: 5
Selection procedures	1) Evaluation of qualifications; 2) Oral interview
Date, place, format and language of the oral interview	Date: 19/09/2017, h. 10.00 Place: Dipartimento di Scienze Umanistiche (Piazza Dante 32 – 95124 CATANIA) Format: assesment of knowledge pertaining the Ph.D. Course, discussion of the submitted project Language: Italian (Level B1)

Title of the Ph.D. course	POLITICAL SCIENCE
Scientific area	Political science
Department	Department of Political and Social Science
Department website	http://www.dsps.unict.it/
Ph.D. course Coordinator	Prof. Fabrizio Sciacca
Partner Institution(s)	None
Research Themes	Research themes compatible with the interdisciplinary nature of the Ph.D. course interpretable through philosophical-political, political, sociological, historical, juridical, pedagogical methodologies with particular reference to the complexity of the political dimension.
Available places	1) Places with scholarship financed by the University of Catania: 5 ; 2) Places without scholarship: 1 . TOTAL: 6
Selection procedures	1) Evaluation of qualifications; 2) Oral interview. Candidates living abroad can take the oral interview in the form of video conference interview
Date, place, format and language of the oral interview	Date: September 19 2017 ore 8.30 (8,30 am Italian time). Place: Dipartimento di Scienze politiche e sociali, Via Vittorio Emanuele II 49, Catania. Aula riunioni (I piano). Format: discussion of the project submitted, general knowledge of research methodology concerning the Ph.D. course. The oral interview is in Italian.

Title of the Ph.D. course	COMPLEX SYSTEMS FOR PHYSICAL, SOCIO-ECONOMIC AND LIFE SCIENCE	
Scientific field	Interdisciplinary	
Duration	3 years	
Department	Department of Physics and Astronomy	
Department website	http://www.dfa.unict.it/	
Ph.D. Course Coordinator	Prof. Andrea Rapisarda	
Partner Institution(s)	None	
Research themes	Complex systems, agent-based models, Big Data analysis, network science, bioinformatics, econophysics, sociophysics	
Available Places	Ordinary places: 1) Places with scholarship financed through the European Social Fund 2014/2020 – Call 12/2017: 2 2) Places without scholarship: 1 TOTAL: 3	Places reserved to graduates from foreign universities: 1) Places with scholarship financed by the University of Catania 2 TOTAL: 2
Selection procedures	Ordinary places: 1) Evaluation of qualifications; 2) Oral interview	Places reserved to graduates from foreign universities: 1) Evaluation of qualifications; 2) Oral interview Candidates living abroad can take the oral interview in the form of video conference interview
Date, place, format and language of the oral interview	Date: September 25 2017, h. 10.00 (10,00 AM Italian time) Place: Dipartimento di Fisica e Astronomia, via S.Sofia 64, Catania Format: Discussion of the submitted project, assessment of knowledges pertaining the Ph.D. Course Language: English	

Title of the Ph.D. course	EVALUATION AND MITIGATION OF URBAN AND LAND RISKS
Scientific field	Engineering and Architecture
Duration	3 years
Department	Department of Civil Engineering and Architecture
Department website	http://www.dicar.unict.it/
Ph.D. Course Coordinator	Prof. Massimo Cuomo
Partner Institution(s)	None
Research themes	Planning and protection of civil, hydraulic and transportation structures and infrastructures. Methods of urban planning, for the land and the environment.
Available places	1) Places with scholarship financed by the University of Catania: 4 2) Places with scholarship financed through the European Social Fund Sicily 2014/2020, Call 12/2017 : 2 3) Places without scholarship: 1 TOTAL: 7
Selection procedures	1) Evaluation of qualifications; 2) Written examination; 3) Oral Interview
Date, place, format, duration and language of the written examination	Date: September 20 2017, h. 8.30 (8,30 AM Italian time) Place: Aula D02 Edificio Didattica Aule Ingegneria, Viale Andrea Doria 6, Catania Format: short paper Duration: 240 minutes Language: Italian
Date, place, format and language of the oral interview	Date: 22/09/2017, h. 8.30 h. 8.30 (8,30 AM Italian time) Place: Aula P4 Edificio 3, Viale Andrea Doria 6, Catania Format: discussion of the submitted project and assessment of knowledge of themes pertaining the Ph.D. course Language: Italian or English

REQUEST OF EQUIVALENCE

The undersigned.....(name and surname)
born in(place of birth)
on.....(date of birth)
nationality
requests to the selection committee for the Ph.D. course in
..... XXXII cycle
the recognition of equivalence to Laurea Magistrale of the following diploma:

Name of the master degree: _____

Awarding university: _____

Country: _____

Date of awarded diploma _____

Place and date,
.....

Signature

.....

SP
MS
9

**Declaration concerning the type of place
(for candidates applying for Ph.D. courses offering reserved places only)**

I, the undersigned

Surname:			
Name:			
Gender:	M	F	
Birth:	Date		
	City		
	Country		
Residence:	City		
	Country		
	e-mail		

DECLARE (Please tick one of the following)

for ordinary places

☐

for reserved places

☐

Ph.D. course in :

(PLACE)

_____/_____/_____
(DATE)

(APPLICANT'S SIGNATURE)

Handwritten signatures and initials at the bottom left corner.

VIDEO CONFERENCE INTERVIEW FORM

(art. 5 Call for applications)

WARNING: to be filled in as part of the application process where applicable and to be uploaded (through the procedure available at the link <http://portalestudente.unict.it/portalestudente/mapServlet>) by the deadline for submitting the admission application with a copy of a valid ID document.

I, the undersigned

Surname:			
Name:			
Gender:	M	F	
Birth:	Date		
	City		
	Country		
Residence:	City		
	Country		
	e-mail		

REQUEST

to take the interview for the admission to the Ph.D. in _____

in video conference, as specified in the relevant attachment to the Admission Announcement and therefore provide the technical details required:

Video conference software:

Personal account for the remote connection: _____

I ALSO DECLARE

to be aware of the provisions of the Admission Announcement, particularly art. 3 and. 5

(PLACE) (DATE) / / (APPLICANT'S SIGNATURE)

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