The Rector

In accordance with the Italian Law of 3 July 1998, n. 210, and in particular Article 4, as amended by Article 19, paragraph 1, of the Law of 30 December 2010, n. 240;

In accordance with the D.M. (Ministerial Decree) n. 224 of April 30, 1999 concerning the regulations on Doctorate Research Programs;

In accordance with the Italian Law 445/2000 – Unified Code laws and regulations on administrative documentation;

In accordance with the Italian Law 196/03 – Code on personal data protection;

In accordance with the Statute of Autonomy of the Università degli Studi Mediterranea di Reggio Calabria published in G.U. of the Repubblica Italiana of 13.04.2012, n. 87;

In accordance with the Ministerial Decree of February 8, 2013 n. 45, registered at the Court of Auditors on 04.23.2013 and published in the Official Gazette General Series n. 104 of 06.05.2013, by which has been issued the “Regulation laying down the procedures for the accreditation of offices and doctoral courses and criteria for the establishment of PhD courses by accredited bodies”;

In accordance with the Regulations of the Università degli Studi Mediterranea di Reggio Calabria in the field of doctoral research issued by D.R. n. 237 of 07.08.2013 and modified by D.R. n. 188 of 05.09.2014;

In accordance with the Ministerial note n. 11677 of april 14, 2017 by to the Universities was given operational guidance on procedures for accreditation of doctorates in the academic year 2017/2018;

In accordance with the report of the Nucleo di Valutazione Interna of 31.05.2017 on the activation of the PhD courses for the academic year 2017/2018 - XXXIII cycle;

In accordance with the resolution of the Academic Senate of 06.06.2017 that, for the purposes and for the effects referred to in the articles 9 and 30 of the University Regulations concerning PhD, gave a favorable opinion on the proposal for the continuation of the XXXIII cycle of the following PhD courses based at our University, “Architecture and Territory” Department DARTE, “Civil Engineering, Environment and Safety” Department DICEAM; “Information Engineering” Department DIIES, “Urban Regeneration and Economic Development” Department PAU, “Law and Economics” Department DIGIEC, “Agricultural, Food and Forestry Science” Department Agraria;

In accordance with the resolution of the Board of Directors of June 6, 2017 that has approved the proposal for the continuation and for the financial coverage of the scholarships for the XXXIII Cycle, with main office at our University according to the following distribution: n. 6 scholarships, three of which offered by the Università Magna Graecia di Catanzaro, for the “Architecture and Territory” Department DARTE; n. 6 scholarships, three of which are covered by the Università di Messina, for the “Civil Engineering, Environment and Safety” Department DICEAM; n. 6 scholarships for the “Information Engineering” Department DIIES; n. 4 scholarships for “Urban Regeneration and Economic Development” Department PAU; n. 6 scholarships for the “Law and Economics” Department DIGIEC; n. 6 scholarships for the “Agricultural, Food and Forestry Science” Department Agraria;

In accordance with The resolutions of the Academic Senate and the Boards of Directors of June 20,
2017 for the approval of the agreement with the Università Magna Graecia di Catanzaro for providing 3 scholarships for the PhD Program in “Architecture and Territory” XXXIII Cycle, and with the Università di Messina for providing 3 scholarships for the PhD Program in “Civil Engineering, Environment and Safety” XXXIII Cycle;

In accordance with
The Directorial Decree n. 1377 of June 5, 2017 modified with the Directorial Decree n. 1676 of July 07, 2017 with which the Ministry announces the discipline for the implementation of the Innovative Doctorates with Industrial characterization within the PON 2014/2020;

In accordance with
the note prot. n. 19415 of July 10, 2017, with which the Ministry announced that the ANVUR completed evaluation procedures related to the proposed renewal of the courses already accredited that have undergone modifications, and for the newly established ones, the results of which are visible in the doctorate database, pending the issuance of the related Ministerial Decrees accreditation, on the basis of the favorable opinion ANVUR, universities may proceed with the emission of the public call;

Considered
the opportunity to start admission procedures, in order to comply with the timeline established by the ministerial regulations for the completion of competition procedures and the start of courses, including doctoral courses under accreditation and currently awaiting review;

In accordance with
the resolutions of the Academic Senate and the Boards of Directors in the sessions, respectively of July 18 and 20, 2017, for the of approval of this public call;

In accordance with
the University Regulations for student allowance approved by the Academic Senate on July 18, 2017 and the Board of Directors on July 20, 2017


decrees

Article 1 – Establishment
1. The XXXIII cycle of Research Doctorate courses with administrative headquarters at the Università degli Studi Mediterranea di Reggio Calabria has been established.
2. The activities of each year of the three-year PhD courses start on November 1 and end on October 31 of the following year.
3. Through this call, public selections for a total of n. 50 places (39 with scholarship and 11 without scholarship grant) are held, at the Università degli Studi Mediterranea di Reggio Calabria, for the admission to a doctoral program of research as indicated in Annex A (consisting of n. 6 form, one for each course) which forms part of this announcement.
4. For each course, as clarified in Annex A: are specified the name of the course and any curriculum in which the course has been articulated, the Coordinator, the Department, the convention headquarters in Italy and/or foreign countries, the duration, the total places available in the competition, the scholarships, the training period abroad, the prevailing Scientific-Disciplinary Sector, the themes the competition tests will focus on, the procedures for the admission, the exam timetable, the language, the qualification required, any additional requirements, the training objectives, and the professional employment opportunities expected, the documentation to be enclosed to the application form.
5. Funds from external agencies are assigned subject to the successful conclusion of the agreement between the University and the external institution concerned.

6. The number of places mentioned in this article may be increased in the manner prescribed by the applicable Regulation of the University, with subsequent measures depending funds that might be available, in agreement with other universities, public or private organizations.

7. Any other grants that may become available within research projects and/or funded by the National Operational Program, by the Regional Operational Program, or any other Community Program, National and Regional and/or international projects, can be used as substitutes and/or in addition to the scholarships funded by the university and/or for filling posts without scholarships.

8. Within the National Operational Program FSE-FESR Research and Innovation (PON-RI 2014/2020) Action I.1 “Innovative Doctorates with Industrial characterization” provided for D.D. Miur n. 1676 July 7, 2017, the scholarships that may become available will be used in addition to grants financed by the University.

9. This call is equivalent to notification to all intents and purposes. Any changes, updates or additions to its content will be made available, exclusively, with their publication on the website at the following link: http://www.unirc.it/ricerca/scuola_dottorato.php.

10. The submission of the application form constitutes acceptance of the rules contained in this announcement by the candidate. Failure to comply with these rules will result in the exclusion from the competition.

11. This notice is written in Italian and translated into English, in any case the text in Italian will be warranted.

Article 2 - General requirements required for admission

1. To apply for one of the places referred to in Annex A, for taking part in the competition for the admission to the PhD program, regardless of age and nationality may apply, those who are in possession on the date of expiry of the notice, of a degree indicated in the respective tables taken under the laws previously in force to the entry of the DM 509/1999, of a Degree/Master specified for each course in Annex A or an equivalent qualification obtained in foreign universities.

2. Those who expect the qualification required for admission to the PhD program within October 31, 2017 may also take part in the entrance examinations. In this case, the admission will be granted with reservation and the candidate will be required to submit the self-certification of graduation in good time, under pain of the exclusion from the competition.

3. Those who are in possession of a foreign qualification that has not already been declared equivalent to an Italian degree, have to enclose all the documents translated and legalized by the competent Italian representation in the application form for taking part in the competition in accordance with the set of rules in force relating to the admission of foreign students to courses in Italian universities, which are useful to enable the Commission to guarantee admission, the equivalence in compliance with the current legislation in Italy and in the country where the degree was taken and with the treaties or international agreements concerning the recognition of qualifications for further studies.

4. Those who have already enrolled with the benefit of a scholarship can not take part in the entrance examinations in a course for PhD programs. Students already enrolled in a course without a scholarship for PhD programs can access after passing the entrance examination for admission to a different course, they have to give up their previous course and start from the first year. Those who are already in possession of the title of PhD, may be admitted to attend, a new
course for PhD programs after passing the entrance examination for admission, but without a scholarship.

5. For the scholarships that could be made available, coming from the funding cited in the previous art. 1 paragraph 7 and 8, additional requirements may be asked, if required by the conventional agreements.

6. All applicants are granted to selection, subject to verification of self-certified statements pursuant to Presidential Decree no. 445/2000 and subsequent amendments and additions. In the case of false declaration, subject to any criminal liability arising therefrom, the University, by a clearly justified decision of the Rector, may order the exclusion at any time, even after the completion of the examination test.

Article 3 - Application for admission

The application form for the admission must be completed ONLY ON LINE from the day following the publication of the notice on the website of the University. It must be completed by 12.00 pm (Italian time) on September 08, 2017.

To fill in the application form, by means of browser mozilla firefox or chrome, applicants are requested to:

a. reach the URL https://gomp.unirc.it and click on the link. If you are a foreign student, please click here;

b. register by entering the required data from the electronic procedure and fulfill the form in each part. Please note: You will be asked a username and password to be remembered for each subsequent procedure login to the portal https://gomp.unirc.it (the username will be given at the end of the registration; you will receive an e-mail with the information);

c. verify your registration clicking by the link you’ll get in the e-mail address you used to be registered (it’s necessary in order to activate your account on the URL https://gomp.unirc.it);

d. download or pay directly with your credit card the contribution for participation in the competition of € 65,00 in no case refundable. The MAV form can be downloaded from the same procedure.

No other kinds of payment are admitted, except for candidates resident or domiciled abroad, who will be allowed the payment of the fee of € 65,00, in no case refundable, through a wire transfer to the bank account no. 401086229 made payable to the Università degli Studi Mediterranea di Reggio Calabria - Agenzia Unicredit SpA - Via degli Arconti n. 6 - 89125 Reggio Calabria - IBAN IT36R0200816304000401086229 [BIC/SWIFT UNCRITM1F84], stating the reason “contributo partecipazione concorso …….. (indicate the name of the course)”.

e. send it by registered mail (the postmark date will not be taken for granted), or alternatively, within the deadline, under penalty of exclusion, to the Ufficio Protocollo Generale di Ateneo at the Cittadella Universitaria Torre 2 - Via Salita Melissari - 89124 Reggio Calabria, in the working days and hours at the Office (Monday to Friday from 9.00 am to 12.00 pm), deliver the documentation specified below:

• application form for the selective test , printed and signed by electronic procedure in original;
• receipt of the payment of the participation fee of EUR 65,00, in no case refundable;
• self-declaration of the degree certificate under the law the Presidential Decree 445 of 28 December 2000, printable from the same electronic procedure;
• a photocopy of a valid identification document bearing the signature of the applicant;
• any other documents indicated in Annex A.
The university administration has no responsibility about the unavailability of the addressee and the impossibility of communication due to the incorrect indications of residence by the aspirant, due to missed or late notification of change of address, or for any postal or telegraphic error not attributable to the administration itself.

Applications for participation in the competition which are not signed or otherwise incomplete, incorrect, or received or delivered in ways different from those listed above will not be considered.

Applicants are requested to complete the application for participation in the competition well in advance of the expiration date of this announcement. And it is responsibility of the candidates to verify the correct conclusion of the procedure. No claims will be accepted for any malfunctioning of the computer system due to overload, as experienced by candidates closer to the deadline.

In the application form, to participate in the competition candidates have to state on their own responsibility under art. 76 of Presidential Decree No. 445 dated 28.12.2000:

a. their personal particulars, date and place of birth, residence and full address (specifying the postal code and phone number) and, possibly, an address or an indication of their Italian Embassy in Italy, chosen as his home;

b. the exact name of PhD course they intend to participate in;

c. to be unoccupied, unemployed or employed;

d. their citizenship;

e. their residence;

f. the degree, with the date and the name of the University where it was obtained, with the relative mark or the equivalent degree from a foreign university;

g. a commitment to attend full-time PhD program of research according to the regulations laid down by the Academic Board;

h. only for foreign citizens: the request to take the written and oral exam in one of the following languages: Italian, English, French. If not specifically required, the tests will be in Italian;

i. the knowledge of the Italian language (for foreign citizens);

j. the commitment to inform the University of any change of address or telephone number;

k. a signed photocopy of a valid identification document, and any other document listed in Annex A must be enclosed to the application form.

The points h) and i) shall not be considered for those wishing to participate in the competition for the International Ph.D. “Urban Regeneration and Economic Development”.

For applicants residing or domiciled outside the Italian territory and for those who reside more than 700 Km. Far away from the venue of the selection, the oral exam may be conducted in electronic mode (video / SKYPE), provided that it is possible to identify the identity of the candidate with certainty, to be verified later, when formalizing the enrollment upon the successful completion of the competition. The candidate who intends to use this mode should indicate it in the application form.

Non-EU citizens will have to enclose to the application form all the titles translated and legalized by the Italian Embassy in accordance with the applicable standards for the admission of foreign students to Italian universities.

Candidates with disabilities, in accordance with the Law of February 5, 1992 n. 104, must explicitly request, in relation to their handicap, of the necessary aid, as well as of any additional time for the exams of the competition. In this respect, all personal information will be kept confidentially in accordance with Legislative Decree 196/03.
Applicants who intend to participate in more than one competition for admission must submit as many requests, together with the required documentation and payment as the courses selected. It is forbidden to participate in more than one course in the same PhD.

**Article 4 - Admission tests**

1) Admission to the doctorate courses is based on a selection of a public competition and consists of two tests, a written and an oral one, designed to assess the knowledge, skills and attitudes of the candidate for scientific research in areas related to the courses.

2) The publication of the schedule of the admission tests, as shown in Annex A, constitutes notice to interested parties. Any change in the exam schedule will be posted on the website at the following link: [http://www.unirc.it/ricerca/scuola_dottorato.php](http://www.unirc.it/ricerca/scuola_dottorato.php). **Other forms of notice will not be activated by this University.**

3) To take the exam, candidates must show a valid identification document. Candidates who have applied to participate in more competitions for admission, in case of concurrency, even one of the competition tests, are required to opt for one of the courses. **The failure to submit to the admission tests will be considered as a waiver of the competition.**

4) The commissions for the examinations for admission to courses of PhD will be appointed by the Rector at the expiry of this notice, in accordance with the procedures laid down in the rules of PhD of the University.

5) The Commission defines the topics of the written test, where required, having as its object matters relating to the educational and scientific fields of each PhD course and the curricula it is possibly articulated in, in order to verify the aptitude of the candidate research in the specific area.

6) The oral examination consists of a discussion on the topics of each PhD course and the curricula in which it is articulated and possibly also includes the evaluation of the knowledge of at least one foreign language, as shown in Annex A. For applicants residing or domiciled abroad and for those who reside more than 700 Km. away from the venue of the selection, the oral exam may be conducted in electronic mode (video/SKYPE), provided that it is possible to ascertain the identity of the candidate, to be verified later, when formalizing the enrollment upon the successful completion of the competition. The candidate who intends to use this mode should indicate it in the application form.

7) As regards the abilities ascertained, the Commission gives each candidate up to a maximum of 60 points for each of the two tests. The candidates who have achieved a score in the first test of not less than 42/60 are admitted to the oral test. The oral test, whose performance is public, is passed only if the candidate gets a score of not less than 42/60.

8) At the end of each test, the Commission shall draw up a list of the candidates, with the indication of the votes obtained by each of them in the single tests. The list of candidates admitted to the oral test signed by the Chairman and Secretary of the Commission, shall be posted up in the register of the same Department on the same day on which the test was held. If candidates to be evaluated should be numerous, the Commission may conclude their work the next day upon notice to all those concerned in the examination. The list of the candidates admitted to the oral test will be announced in the same manner described above. No other form of communication will be given.

9) At the end of the examination, the Commission will compile a ranking list on the basis of the marks obtained by the candidates in each test. The pass list signed by the President and Secretary of the Commission, will be posted up in the register of the same Department on the same day on which the test was held.

10) In the case of places reserved for foreign citizens, the Commission will draw up a separate list.
Article 5 - Admission to the Course

1. The Rector, by decree, checks the validity of the examination deeds and approves the merit list. Winners are declared the candidates on each list under condition of the requirements required for the admission to examinations and to the course.

2. Candidates are admitted to the PhD course in order of ranking and subject to the availability of places for each doctorate. In the case of renouncers, before the start of the course, these will be replaced by an equal number of candidates according to the ranking. In case of placement in more than one classification, the candidate will have to opt a single PhD program with a written notice.

3. The candidates admitted to the course lose their right if they don’t express their written acceptance within 15 days from the date of publication of the competition results on the website at the following link [http://www.unirc.it/ricerca/scuola_dottorato.php](http://www.unirc.it/ricerca/scuola_dottorato.php). In this case, the candidate will be replaced by another one, according to the ranking. In the case of waiver, expressed in written form, after the two months following the beginning of the course, it’s not possible to appoint any more candidates from the pass-list.

4. Non-EU citizens resident abroad who have passed the examination tests, are admitted to the doctorate, in the limit of places reserved as indicated in Annex A and are obliged to pay the tuition and fees set forth in Article 6 of this announcement.

5. The holders of a research contract, who have passed the examination tests, will be admitted to the PhD course in excess, without a scholarship, within the limit of the total number of places available, provided that the PhD course relates to the same scientific disciplinary research area for which they are being paid. The holders of a research contract admitted to the courses are not eligible to obtain the scholarship, even in the case when the PhD continues beyond the period of enjoyment of the research and are required to pay taxes and contributions in art. 6 of this announcement.

Article 6 - Course enrollment

The candidates admitted to the course, within a deadline of October 31, 2017 will have to access the link [https://gomp.unirc.it](https://gomp.unirc.it) with the same credentials obtained during the registration process and will be able to fill in the enrollment form online. After completed the enrollment process the candidates will have to send it by registered mail (attested by date on postmark), or deliver it personally within the deadline, penalty of exclusion, to the Ufficio Protocollo Generale di Ateneo at the Cittadella Universitaria Torre 2 - Via Salita Melissari - 89124 Reggio Calabria, in the days and hours of opening to the public at the Office (Monday to Friday from 9.00 am to 12.00 pm), the documentation indicated below:

a) Applicants admitted to the PhD program with scholarship

1. application form printable from the electronic procedure;
2. receipt of the payment of module MAV's contribution of € 421,29 (the I installment of € 265,29 + virtual stamp duty of € 16,00 + the regional tax for the right to study of € 140,00);
3. certification ISEE with enclosed the Substitute Declaration of Legislative Decree no. 109 March 31, 1998, failure to comply will result in the placement in the maximum contribution range;
4. Self-certification of degree (in consideration of art. 76 of Presidential Decree no. 445 of 28.12.2000 only for those referred to in art. 2, point 2);
5. two passport photographs on a white background;
6. photocopy (signed) of the identification document;
7. photocopy of one’s own social security number or health card;
8. tax card (see document “scheda fiscali” http://www.unirc.it/ricerca/modulistica.php);
9. photocopy of INPS model which attests the establishment of the tax position;
10. self-certification necessary to obtain the scholarship (see document “self-certification” http://www.unirc.it/ricerca/modulistica.php);
11. photocopy of the residence permit (only for non-EU citizens resident abroad)
12. a declaration, in consideration of art. 76 of Presidential Decree n. 445 of 28.12.2000, containing the following information:
   - not to have already acquired the title of PhD or an equivalent title;
   - not to have already received a scholarship PhD, even partly;
   - not to combine this scholarship with other scholarships awarded for any purpose, except those awarded by national or foreign institutions which may integrate the research activities of the student, with trips abroad;
   - to be aware that in the event of renounce or exclusion all of the grant accrued income must be returned;
   - to attend the payment of the II installment no later than June 30 of each year of course. The amount of the second installment will be determined based on the ISEE (Equivalent Economic Situation Indicator).
   - to attend full-time PhD research according to the regulations laid down by the Academic Board;
   - to authorize the communication and dissemination of personal data.

b) Applicants admitted to the PhD program without scholarship
1. application form printable from the electronic procedure;
2. receipt of the payment of the installment of 156,00 euro (the regional tax for the right to study of € 140,00 + virtual stamp duty of €16,00). According to paragraph 262 of art. 1 of L.11.12.2016 n. 232, students without scholarship are exempted from paying taxes or contributions to the Università Mediterranea di Reggio Calabria, with the exception of the payment specified above.
3. self-certification of the degree in consideration of art. 76 of Presidential Decree no. 445 dated 28.12.2000 (only for those referred to in art. 2, point 2);
4. two passport photographs on a white background;
5. photocopy (signed) of the identification document;
6. photocopy of one’s own social security number or health card;
7. (only for non-EU citizens resident abroad) a photocopy of the residence permit;
8. declaration in consideration of art. 76 of Presidential Decree n. 445 of 28.12.2000, including with the following information:
   - to attend full-time PhD research according to the regulations laid down by the Academic Board;
   - to authorize the communication and dissemination of personal data.

7 - Scholarships
1. The scholarships are awarded to the candidates placed on the list according to the order defined by the Commission. In the case of equal score, the Rector will admit the competitor with a disadvantaged economic situation, determined in accordance with DPCM of 30 April 1997, published in the G.U. n. 116 of 9 June 1997.
2. The scholarships can not be combined with research contract and other scholarships awarded for any purpose, except with those awarded by national or foreign institutions to integrate, where appropriate, with stays abroad, training or research activities of graduate students.

3. The recipients of scholarship are not allowed to have any other income from any other source that can lead to the loss of unemployment or inactivity, as defined in art. 4 paragraph a) of Legislative Decree n. 181 of 21.04.2000 as amended by Legislative Decree no. 297 of 19.12.2002, relating to the definition of the threshold of annual income which has to be maintained throughout the duration of the scholarship, under penalty of forfeiture and refund of the installments received.

4. PhD fellowships are incompatible, under penalty of forfeiture of the enjoyment of the same and with the obligation to return the payments received, with:
   - employees, including temporary ones, except for the possibility that the employee is placed by the employer on leave without pay;
   - industry and commerce activities;
   - contracts with the Università degli Studi Mediterranea di Reggio Calabria for whatever reason;
   - any other activity that requires the opening of a VAT.

5. The amount of the scholarship, to be paid in monthly installments, is determined by the Decree of the Minister, June 18, 2008, published in Gazzetta Ufficiale no. 241 of 14 October 2008, and corresponds to € 13,638.47 per annum, gross of withholdings paid by the recipient. This amount is increased to a maximum of 50% if the student is authorized by the Academic Board to carry out research abroad.

6. The scholarship of the PhD is subject to the payment of social security contributions to INPS separate management referred to in Article 2, paragraph 26, of the Law of 8 August 1995, n. 335, as amended, to the extent of two-thirds over the administration and one third over the student. PhD students enjoy all the protections and rights.

7. Scholarships will last one year and shall be renewed provided that the student has completed the program of activities for the previous year, verified in accordance with the procedures established by the Academic Board, without prejudice to the obligation to deliver the scholarship as a result of passing the test.

8. The disbursement of the scholarship is linked to the periods of activity and attendance of research studies actually rendered.

9. The one who has already received a scholarship for a PhD course, even for a single year or part of it, is not eligible for a second time.

10. The scholarships funded by other universities, public or private, can be bound to the performance of specific research programs, if specified in the agreement, and the failure to comply with the provisions in the agreement results in the loss of the benefit of it and the consequent return of all the installments of the scholarship received.

Art. 8 Obligations
The admission to the PhD course implies an exclusive and full-time commitment.
All students, with or without a scholarship, are required to attend all teaching and training activities under the program of the PhD course for their full term, with the procedures and time limits established by the Academic Board, obtaining all the credits provided by the training plan prepared by the Board within this period. At the end of each year, the students are required to submit a detailed report on the research conducted to the Academic Board who, following an evaluation of the assiduity
and hard work demonstrated by the student, will admit the PhD student to the following year or exclude him/her.

Those enrolled for PhD programs cannot be simultaneously enrolled in another university (Degree of level I and II, Post-Graduate, another PhD course, other PhD courses, Master’s I and level II).

Those enrolled in the Ph.D. are required to pay taxes and contributions as follow:

- by **November 30** of each year of Course: € 412.29 (1 instalment of € 265.29 + virtual stamp duty of € 16,00 + the regional tax for the right to study of € 140,00);
- by **June 30** of each year of Course: II instalment fee that will be determined based on the ISEE (Equivalent Economic Situation Indicator) as stated on art. 4 paragraph 1 Tab. B of the University Regulations for Student Contribution.

**PhD students without scholarship** as established by the art.1 paragraph 262 of the Law n. 232 of the 11.11.2016 are exempted from paying taxes or contributions to the Università Mediterranea di Reggio Calabria, with the exception of the payment of the virtual stamp duty of € 16,00 and the regional tax for the right to study of € 140,00 that has to be made by **November 30 of each year**.

The payment for the admission, if carried out beyond the due deadlines, is subject to a late payment interest, as indicated below:

- € 40 until the 30th day after the deadline;
- € 80 from the 31st until the 60th day after the deadline;
- € 120 from the 61st day after the deadline.

**Art. 9 – Doctorate Degree - Qualification**

1. The title of Doctor of Research, abbreviated with the words: "Dott. Ric." Or "Ph.D.", is released as a result of the positive evaluation of a research thesis that contributes to the advancement of knowledge or methodologies in the field of investigation chosen.

2. To be admitted to the final examination for the award of degree of Doctor of Research, the PhD student must have earned the credits provided by the training plan prepared by the Academic Board of the PhD.

3. The PhD thesis, accompanied by a summary in Italian and English, is written in Italian or English or in another language by authority received of the Academic Board. The thesis, with a report on the activities of the student in the course of the PhD and eventual publications, shall be assessed by at least two highly qualified teachers, including those belonging to foreign institutions in the cases under art. 15 of the Rules of University’s doctoral research, external to the parties that contributed to the release of the title of PhD, hereinafter referred to as evaluators.

4. Evaluators make a written analytical judgment on the thesis and propose the admission to public discussion or referral for a period not exceeding six months if they consider significant additions or corrections necessary. In any case, after this period, the PhD student will be admitted to a public discussion about the topic of his/her thesis, accompanied by a new written comment of the same evaluators, made in the light of the eventual corrections or additions.

5. The public discussion takes place before a Commission whose composition is defined by art. 22 of the Regulations, within the six months immediately following the expiry date of the PhD course. At the end of the discussion, the thesis, with a reasoned written collegial judgment, is approved or rejected. The Commission, by unanimous vote, has the right to assign praises in the presence of results of particular scientific importance. The title of Doctor of Research is conferred by the Rector and upon a successful completion of the final exam.

The University will deposit the digital copy of the thesis in the ministerial database and then they will send a copy to the National Libraries of Rome and Florence.
The original parchment will be issued by the Università degli Studi Mediterranea di Reggio Calabria, in a single copy, at the request of the PhD student concerned.

**Art. 10 - Treatment of personal data**
The Università degli Studi Mediterranea di Reggio Calabria in the accomplishment of Decree n° 196/2003 “Code concerning the protection of personal data”, agrees to use the personal data supplied by the candidate to carry out the procedures and for institutional purposes. Participation in the competition implies the principles set out in the Law concerning tacit consent to the publication of the personal data of the candidates on the website of the Università degli Studi Mediterranea di Reggio Calabria.

**Art. 11 - Advertising**
For matters not covered in this announcement, please refer to the laws and regulations governing Research and PhD.
This notice will be published on the website of the Università degli Studi Mediterranea di Reggio Calabria (http://www.unirc.it/ricerca/scuola_dottorato.php) in the area dedicated to the PhD School, on the corporate website of the European Union EURAXESS (http://ec.europa.eu/euraxess) and on the website of the Ministry (https://ateneo.cineca.it/bandi/).
It will also be published in the Gazzetta Ufficiale of the Repubblica Italiana.

Reggio Calabria, 27.07.2017

The Rector
(Prof. Pasquale Catanoso)

The Coordinator of the SARITT - ILO
Dr. Domenico Campellano
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<tr>
<th><strong>Course Title</strong></th>
<th>Architecture and Territory</th>
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<tr>
<td><strong>Cycle</strong></td>
<td>XXXIII</td>
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<tr>
<td><strong>Coordinator</strong></td>
<td>Prof. Gianfranco Neri</td>
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<td><strong>Department</strong></td>
<td>Department of Architecture and Territory (DARTE)</td>
</tr>
<tr>
<td><strong>Italian/External partners</strong></td>
<td>Università Magna Graecia di CATANZARO</td>
</tr>
<tr>
<td></td>
<td>Università di SIVIGLIA</td>
</tr>
<tr>
<td><strong>Duration</strong></td>
<td>3 years</td>
</tr>
<tr>
<td><strong>Positions</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Scholarships</strong></td>
<td>7</td>
</tr>
<tr>
<td><strong>Training period abroad</strong></td>
<td>up to 18 months.</td>
</tr>
</tbody>
</table>

**SSD – macro sectors**

- ICAR/08 CONSTRUCTION SCIENCE
- 08/B - STRUCTURAL - GEO-TECHNICAL ENGINEERING
- ICAR/12 DESIGN AND TECHNOLOGICAL DESIGN OF ARCHITECTURE
- 08/C - DESIGN AND TECHNOLOGICAL DESIGN OF ARCHITECTURE
- ICAR/14 ARCHITECTURAL DESIGN
- 08/D - ARCHITECTURAL DESIGN
- ICAR/15 ARCHITECTURAL DESIGN
- 08/E - DESIGN, RESTORATION AND HISTORY OF ARCHITECTURE
- SECS-P/03 FINANCIAL SCIENCE
- 13/A - ECONOMY
- ICAR/21 PLANNING, URBAN AND TERRITORIAL DESIGN
- 08/F - PLANNING, URBAN AND TERRITORIAL DESIGN
- M-FIL/04 AESTHETICS AND PHILOSOPHY OF LANGUAGES
- 11/C - PHILOSOPHY

**The proposed established themes**

The main themes of the current national and international debate regarding the territory, the city and architecture are: design, territorial planning, urban planning, energy, environmental sustainability, environmental protection and structural safety.

**Admission procedure**

Written test, oral test with verification of knowledge of the English language.

**Examination date and time**

**Written test:** September 19, 2017 at 03.00 pm. At Department DARTE of the Mediterranea University.

**Oral test and verification of English language:** September 20, 2017 at 03.00 pm. At Department DARTE of the Mediterranea University.

Any change in the exam schedule will be posted on the website at the following link: [http://www.unirc.it/ricerca/istituto_dottorato.php](http://www.unirc.it/ricerca/istituto_dottorato.php). Other forms of notice will not be activated by this University.

**Verification of language knowledge**

English

**The required qualification**

All graduations: Old Regulations, Specialists and Master degree holders.

**Additional requirements**

All the old system degrees, the specialists (new system) - and equivalent for foreigners like a master degree- are admitted from a formal point of view.
The provenance from undergraduate class “Architecture and Building Engineering” course allows a total overlap between the minimum knowledge required and the educational objectives of the PhD program.

**Educational goals**

The International Doctorate in Architecture and Territory is a postgraduate training and research framework that has the objective of enriching “the necessary skills for carrying out highly qualified research activities at public and private entities, liberal professions, paying contribute to the European Higher Education and Research”.

The training course aims to provide the PhD students innovative tools in architectural research and the ability to manage the project at various scales: the territory, landscape, city and building.

The program is designed to develop the ability to control on issues of environmental and economic sustainability, energy efficiency, maintenance and management of the current questions of representation and architectural language.

The project is conceived as a theoretical and operational spot integrating the contributions of the various scientific areas, in a complex vision that combines the most innovative research paths with layering of the territory and of the Italian and European cities. The exchange, interdisciplinary dialogue and international experiences are the necessary complement to achieve a research that is oriented to the city, territory, design, arts and architecture.

These results in the research thesis with original contributions oriented to investigate and develop operational control capacity regarding the issues of sustainability, energy efficiency, structural safety, restoration and regeneration intersecting with current questions of knowledge and advanced representation of built heritage.

**Expected professional opportunities**

The international PHD in Architecture and Territory intends to promote two different training strategies:

- training researchers with expendable capacity within the university system through Italian and foreign research institutions.
- develop those skills and strategic capabilities necessary for INDUSTRIAL, PUBLIC AND PRIVATE SECTORS, IN THE PUBLIC ADMINISTRATION.

In particular, this second strategy focuses on the most innovative fields compared to traditional training and professional scenario, both in the public and private sectors.

In the public sector, the PHD graduates can be able to find working opportunities at authorities in charge of city government, institutions and agencies and at various levels, including: the design, regional and urban planning, energy, environmental sustainability, urban construction, protection, commissioning of the territories and structural safety.

In the private sector, the PHD graduates can find working opportunities in the technical-professional and business world in an international scale respecting the design and construction of civil works, architecture, landscape and cities, where they will be adding value by their acquired skills in dealing with different problems through interdisciplinary approach and advanced design tools, control, management and programming.

**Documents to be submitted**
<table>
<thead>
<tr>
<th>Course Title</th>
<th>LAW AND ECONOMICS</th>
</tr>
</thead>
</table>
| Curricula           | 1. Private economy Law  
                       | 2. Public economy Law |
| Coordinator         | Prof.ssa Carmela Salazar |
| Department          | Department of Law and Economics (DiGiEC) |
| Italian / Foreign   | UNIVERSIDAD DE SANTIAGO DE COMPOSTELA - SPAGNA |
| partner centres     |                   |
| Duration            | 3 years            |
| Positions           | 11                 |
| Scholarships        | 9                  |
| Training period     | up to 18 months.  |
| abroad              |                   |

**SSD and macro sectors**

| IUS / 01                      |                               |
| IUS / 04                      |                               |
| IUS / 05                      |                               |
| IUS / 07                      |                               |
| IUS / 08                      |                               |
| IUS / 10                      |                               |
| IUS / 11                      |                               |
| IUS / 12                      |                               |
| IUS / 13                      |                               |
| IUS / 14                      |                               |
| IUS / 16                      |                               |
| IUS / 17                      |                               |
| IUS / 18                      |                               |
| IUS / 19                      |                               |
| SECS-P / 06                   |                               |
| 13 / A - Economics            |                               |

**The topic of the competition tests**

### Admission procedures

- **Written examination:** September 18, 2017 09:00 a.m., at Department DiGiEc, Salita Melissa.
- **Oral examination:** September, 26, 2017, 09:00 a.m., at Department DiGiEc, Salita Melissa.

Any change in the exam schedule will be posted on the website at the following link: [http://www.unicrt.it/ricerca/scuola_dottorato.php](http://www.unicrt.it/ricerca/scuola_dottorato.php). Other forms of notice will not be activated by this University.

### Language

- For graduates in Italy: English, French or Spanish
- For foreign degree: Italian

### Required degree

- LMG / 01 Class of degree courses in Law or equivalent qualification,
- LM-56 Sciences of the economy,
- LM-77 Economic and Business Sciences

### Additional requisites

NO

### Educational objectives

The doctoral program is interdisciplinary and is intended to allow discussion in the basic scientific areas. The research topics are aimed at deepening economic and legal knowledge, even using the method comparative studies and in view of European harmonization, with reference to legal systems, the theory and practice of the legal regulation of business and work. The dual approach of the analysis - juridical and economic - allows to create an effective interdisciplinary in teaching and research. In this regard, there is a tradition at the international level, especially in common law countries, in the economic analysis of law (Economic Analysis of Law), which constitutes one of the bases of the training course for the acquisition of technical and scientific skills, in order to ensure a vision of the economic phenomenon in its entirety with reference to the same rules that govern the production of "the market" and not as a pure mechanism.

### Expected career and professional opportunities

The PhD intends to launch graduates in scientific research, as a fundamental moment for the subsequent teaching and research activities, to form managers in the public sector or in private enterprise. It integrates with the master for public administrations organized by the Department.

### Documents to be enclosed with the application

Curriculum Vitae et Studiorum, with emphasis on the performed studies and on eventual research activities already performed.

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**FORM N. 3**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>CIVIL, ENVIRONMENTAL AND SAFETY ENGINEERING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curricula</td>
<td>1. GEOTECHNICAL ENGINEERING</td>
</tr>
<tr>
<td></td>
<td>2. INFRASTRUCTURE AND TRANSPORTATION ENGINEERING</td>
</tr>
<tr>
<td></td>
<td>3. HYDRAULIC ENGINEERING, HYDRAULIC AND MARITIME CONSTRUCTIONS, HYDROLOGY AND WATER ENERGY</td>
</tr>
<tr>
<td></td>
<td>4. SCIENCE AND TECHNOLOGY, MATERIALS, ENERGY AND COMPLEX SYSTEMS FOR DISTRIBUTED COMPUTING AND NETWORKS</td>
</tr>
<tr>
<td>Coordinator</td>
<td>Professor Felice Arena</td>
</tr>
<tr>
<td>Department</td>
<td>Department of civil engineering, energy, environment and materials (DICEAM)</td>
</tr>
<tr>
<td>Italian / Foreign partner centres</td>
<td>University of Messina</td>
</tr>
</tbody>
</table>
### Duration
3 years

### Positions
8 (6 with scholarships + 2 without a scholarship; 1 of these positions without a scholarship is reserved for foreign students, if any)

### Scholarships
6

### Training period abroad
up to 18 months.

### SSD and macro sectors
- ICAR/01 - 08/A - INFRASTRUCTURE AND ENVIRONMENTAL ENGINEERING
- ICAR/02 - 08/A - INFRASTRUCTURE AND ENVIRONMENTAL ENGINEERING
- ICAR/03 - 08/A - INFRASTRUCTURE AND ENVIRONMENTAL ENGINEERING
- ICAR/04 - 08/A - INFRASTRUCTURE AND ENVIRONMENTAL ENGINEERING
- ICAR/05 - 08/A - INFRASTRUCTURE AND ENVIRONMENTAL ENGINEERING
- ICAR/07 - 08/B - GEOTECHNICAL AND STRUCTURAL ENGINEERING
- ICAR/08 - 08/B - GEOTECHNICAL AND STRUCTURAL ENGINEERING
- ICAR/09 - 08/B - GEOTECHNICAL AND STRUCTURAL ENGINEERING
- ICAR/10 - 08/C - ARCHITECTURAL DESIGN
- FIS/01 - 02/A - PHYSICS OF FOUNDAMENTAL INTERACTIONS
- CHIM/07 - 03/B - INORGANIC TECHNOLOGY
- ING-IND/31 - 09/E - ELECTRICAL AND ELECTRONIC ENGINEERING AND MEASUREMENT
- ING-IND/31 - 09/H - COMPUTER ENGINEERING
- MAT/05 - 01/A - MATHEMATICS
- ING-IND/11 ENVIRONMENTAL, TECHNICAL, PHYSICS
- INF/01 Informatics

### The topic of the competition tests
The topic of the competition tests pertains to the four curricula of the Ph.D. course.

### Admission procedures
written examination, oral examination including evaluation of the knowledge of the English language

### Exam schedule
**Written examination:** September 25, 2017, 9:30 A.M. At Department: DICEAM of the Mediterranea University, loc. Feo di Vito

**Oral examination:** September 26, 2017, 9:00 A.M. At Department DICEAM of the Mediterranea University, loc. Feo di Vito

Any change in the exam schedule will be posted on the website at the following link: [http://www.unirc.it/ricerca/scarola_dottorato.php](http://www.unirc.it/ricerca/scarola_dottorato.php) Other forms of notice will not be activated by this University.

### Language
English

### Required degree
- LM-4 Architecture and construction engineering-architecture
- LM-4 Architecture and construction engineering-architecture (u.c. 5 years)
- LM-17 Physics
- LM-20 Aerospace engineering and astronautics
- LM-22 Chemical Engineering
- LM-23 Civil Engineering
- LM-24 Systems engineering building
- LM-25 Automation Engineering
| LM-26 Safety Engineering  
| LM-27 Telecommunications Engineering  
| LM-28 Electrical Engineering  
| LM-29 Electronic Engineering  
| LM-30 Energy and Nuclear Engineering  
| LM-31 Engineering Management  
| LM-32 Computer Engineering  
| LM-33 Mechanical Engineering  
| LM-34 Marine Engineering  
| LM-35 Environmental Engineering  
| LM-40 Mathematics  
| LM-53 Material Science and Engineering  
| LM-54 Chemical Sciences  
| LM-71 Sciences and technologies of industrial chemistry  
| LM-72 Science and Technology of Navigation  
| 27 / S (Second level degree in chemical engineering)  
| 28 / S (Second level degree in Civil Engineering)  
| 30 / S (Second level degree in telecommunications engineering)  
| 31 / S (Second level degree in electrical engineering)  
| 32 / S (Second level degree in electronic engineering)  
| 34 / S (Second level degree in Engineering Management)  
| 35 / S (Second level degree in computer engineering)  
| 37/S (Science and Technology of Navigation)  
| 38/S (specialist in environmental engineering and land management)  
| 50/S (specialist in mathematical and physical modeling for engineering)  
| 61 / S (Second level degree in Material Science and Engineering) |

**Additional requisites**

No

**Educational objectives**

The PhD program in "Civil, Environmental and Safety Engineering" represents the natural complement of the courses offered by the three Universities. Specifically, the educational objectives are aimed to promote the knowledge in the fields of: - design, management, control, safety and monitoring of infrastructures and of civil and industrial structures interacting with the environment and the territory; - Fundamental sciences, technology and complex systems for computations; the networks serving civil and environmental engineering industry, and producing energy from renewable sources; new materials.

The educational goal is the transfer of knowledge on specific topics of Civil, Environmental and Safety Engineering to train high specialization professionals able to deal with complex research or applied issues.

Due to the topics interdisciplinary, the Ph.D. involves training, with general and specialized courses, aimed at the transfer of basic knowledge of each subject area during the 1st year, and the development of a specific research topic, which will be the subject of the Ph.D. thesis, during the 2nd and 3rd year.

The training will be complemented by practical experience in the laboratories of the Departments, where there are skills, staff and equipment capable of supporting a doctorate and research periods abroad at universities and research centers.

**Expected career and professional opportunities**

The objective of the Ph.D. is to provide competencies for a successful employment in the job or research market by contributing to the competitiveness increase of the area pertaining to the program.

The training course "Civil Engineering" provides employment opportunities in the field of geotechnical, hydraulic and structural engineering and of civil infrastructure...
through training specialists in design, planning, management, control and monitoring. The reference areas of employment are public authorities and the world of engineering technicians. The training course "Environmental Engineering" provides employment opportunities in the field of environmental engineering and contributes to the training of experts in the design, management and control of works and sustainable infrastructure systems and of materials with low environmental impact, systems for the control, protection and management of the land to monitor and mitigate risks.

The training course "Safety Engineering" provides employment opportunities in the field of materials, energy, monitoring and control through training specialists in the study of innovative materials, production of energy from renewable sources and with a low-impact, planning and management of complex systems and networks and design and management of networks for environmental monitoring.

Documents to be enclosed with the application

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Ingegneria dell'Informazione (ICT Engineering)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curricula</td>
<td>====</td>
</tr>
<tr>
<td>Coordinator</td>
<td>Prof. Tommaso Isernia (<a href="mailto:tommaso.isernia@unirc.it">tommaso.isernia@unirc.it</a>)</td>
</tr>
<tr>
<td>Department</td>
<td>Dipartimento di Ingegneria dell'Informazione, delle Infrastrutture e dell'Energia Sostenibile (DIIES)</td>
</tr>
<tr>
<td>Other Institutions concurring to the program</td>
<td>====</td>
</tr>
<tr>
<td>Duration</td>
<td>3 years</td>
</tr>
<tr>
<td>Positions</td>
<td>Eight. Two of them are reserved to candidates coming from foreign Universities. Such a circumstance does not exclude more positions can be assigned to candidates coming from foreign Universities.</td>
</tr>
<tr>
<td>Scholarships</td>
<td>Six. One of them is reserved to candidates coming from foreign countries. Such a circumstance does not exclude more positions can be assigned to candidates coming from foreign Universities.</td>
</tr>
<tr>
<td>Abroad training</td>
<td>up to 18 months.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SSD – macrosettori (scientific areas of training and research activities according to the Italian Classification)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ING-INF/01 ELETTRONICA</td>
</tr>
<tr>
<td>09/E - INGEGNERIA ELETTRICA, ELETTRONICA E MISURE</td>
</tr>
<tr>
<td>ING-INF/02 CAMPI ELETTROMAGNETICI</td>
</tr>
<tr>
<td>09/F - INGEGNERIA DELLE TELECOMUNICAZIONI E CAMPI ELETTROMAGNETICI</td>
</tr>
<tr>
<td>ING-INF/03 TELECOMUNICAZIONI</td>
</tr>
<tr>
<td>09/F - INGEGNERIA DELLE TELECOMUNICAZIONI E CAMPI ELETTROMAGNETICI</td>
</tr>
<tr>
<td>ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI</td>
</tr>
<tr>
<td>09/H - INGEGNERIA INFORMATICA</td>
</tr>
<tr>
<td>ING-INF/07 MISURE</td>
</tr>
<tr>
<td>09/E - INGEGNERIA ELETTRICA, ELETTRONICA E MISURE</td>
</tr>
<tr>
<td>ING-IND/31 ELETTROTecnica</td>
</tr>
<tr>
<td>Subject of the admission tests</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>Criteria for admission</td>
</tr>
<tr>
<td>Test Dates</td>
</tr>
<tr>
<td>Foreign Language test</td>
</tr>
</tbody>
</table>
| Qualification required | Master degree (after a total of five years University courses) in one of the following topics or equivalent ones (the list refers to the Italian classification):  
LM-17 Fisica  
LM-18 Informatica  
LM-20 Ingegneria aerospaziale e astronautica  
LM-21 Ingegneria biomедica  
LM-22 Ingegneria chimica  
LM-23 Ingegneria civile  
LM-24 Ingegneria dei sistemi edilizi  
LM-25 Ingegneria dell'automazione  
LM-26 Ingegneria della sicurezza  
LM-27 Ingegneria delle telecomunicazioni  
LM-28 Ingegneria elettrica  
LM-29 Ingegneria elettronica  
LM-30 Ingegneria energetica e nucleare  
LM-31 Ingegneria gestionale  
LM-32 Ingegneria informatica  
LM-33 Ingegneria meccanica  
LM-34 Ingegneria navale  
LM-35 Ingegneria per l'ambiente e il territorio  
LM-40 Matematica  
LM-44 Modellistica matematico-fisica per l'ingegneria  
LM-53 Scienza e ingegneria dei materiali  
LM-54 Scienze chimiche |
<table>
<thead>
<tr>
<th>Further requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>The PhD course in ICT engineering aims to build up qualified professionals with advanced, multidisciplinary and integrated skills in the reference areas of ICT Engineering, as well as in its advanced applications. Training aims to strengthen the skills in basic maths and physics, to a deepening of the basic ICT disciplines, as well as to the achievement of new theoretical, methodological or applicative research results in the same areas. In particular, training objectives will be:</td>
</tr>
<tr>
<td>- The completion of the acquisition of fundamental mathematic and physic tools, with emphasis to methods and results having a major relevance for ICT engineering;</td>
</tr>
<tr>
<td>- A careful deepening of the theoretical foundations of ICT disciplines;</td>
</tr>
<tr>
<td>- The critical acquisition of results and perspectives in the specific ICT area of interest;</td>
</tr>
<tr>
<td>- The development of research results (including innovative applications) in at least a specific ICT area;</td>
</tr>
<tr>
<td>Moreover, at the end of the three-years course, the PhD candidate will be able:</td>
</tr>
<tr>
<td>- To program and perform numerical and/or experimental trials;</td>
</tr>
<tr>
<td>- To analyse technological innovation requirements of national and international private or public entities;</td>
</tr>
<tr>
<td>- To individuate and pursue funding opportunities;</td>
</tr>
<tr>
<td>- To plan research projects as well as plans for technological transfer.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Occupational outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>All PhDs in 'Ingegneria della Informazione' from Università Mediterranea di Reggio Calabria have found stable and wellcome positions. Experience suggest the succesful candidates will choose amongst different job positions, including:</td>
</tr>
<tr>
<td>- University research (seven recent PhD have gained a researcher position in Italian Universities in the last four years, which is far from trivial, and other PhDs are successfully employed abroad);</td>
</tr>
</tbody>
</table>
- National (CNR, CIRA, ENEA, ASI, INFN) and International (EURATOM, CERN, AFRL, IPP, ESA) research entities;
- Research, design and development branches of national and international ICT manufacturers;
- Technological innovation Management in firms, public and private entities;
- Ideation and development of spin-off and start-ups.

Curriculum Vitae et Studiorum, with emphasis on the performed studies and on eventual research activities already performed.

<table>
<thead>
<tr>
<th>FORM N. 5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Title</strong></td>
</tr>
</tbody>
</table>
| Curricula | 1. Agricultural Science  
2. Food Science and Technology  
3. Forestry Science |
| Coordinator | Prof. Marco Poiana |
| Department | Agraria |
| Italian / Foreign partner centres | ECOLE NATIONALE SUPRIEUZE AGRONOMIQUE - EL HARRACHI ALGERIA |
| Duration | 3 years |
| Positions | 9 |
| Scholarships | 7 |
| Training period abroad | up to 18 months. |
| SSD and macro sectors | **AGR/01** ECONOMIA AGRARIA ED ESTIMO  
07/A - ECONOMIA AGRARIA E ESTIMO  
AGR/02 AGRONOMIA E SISTEMI COLTURALI ERBACEI ED ORTOFLORICOLI  
07/B - SISTEMI COLTURALI AGRARI E FORESTALI  
AGR/03 SCIENZE E TECNOLOGIE DEI SISTEMI ARBOREI E FORESTALI  
07/B - SISTEMI COLTURALI AGRARI E FORESTALI  
AGR/05 SCIENZE E TECNOLOGIE DEI SISTEMI ARBOREI E FORESTALI  
07/B - SISTEMI COLTURALI AGRARI E FORESTALI  
AGR/08 INGEGNERIA AGRARIA, FORESTALE E DEI BIOSISTEMI  
07/C - INGEGNERIA AGRARIA, FORESTALE E DEI BIOSISTEMI  
AGR/09 INGEGNERIA AGRARIA, FORESTALE E DEI BIOSISTEMI  
07/C - INGEGNERIA AGRARIA, FORESTALE E DEI BIOSISTEMI  
AGR/12 PATOLOGIA VEGETALE E ENTOMOLOGIA  
07/D - PATOLOGIA VEGETALE E ENTOMOLOGIA  
AGR/13 CHIMICA AGRARIA, GENETICA AGRARIA E PEDOLOGIA  
07/E - CHIMICA AGRARIA, GENETICA AGRARIA E PEDOLOGIA  
AGR/15 SCIENZE E TECNOLOGIE ALIMENTARI  
07/F - SCIENZE E TECNOLOGIE ALIMENTARI  
AGR/18 SCIENZE E TECNOLOGIE ANIMALI  
07/G - SCIENZE E TECNOLOGIE ANIMALI  
AGR/07 CHIMICA AGRARIA, GENETICA AGRARIA E PEDOLOGIA  
07/E - CHIMICA AGRARIA, GENETICA AGRARIA E PEDOLOGIA |
<table>
<thead>
<tr>
<th>AGR/10</th>
<th>INGEGNERIA AGRARIA, FORESTALE E DEI BIOSISTEMI</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/C- INGEGNERIA AGRARIA, FORESTALE E DEI BIOSISTEMI</td>
<td></td>
</tr>
</tbody>
</table>

**The topic of the competition tests**
Candidates’ evaluation will be carried out by verifying the basis knowledges on technological innovations about agricultural, food and forestry systems.

**Admission procedures**
- **Titles, written Composition, oral exam and English language interview.**

**Exam schedule**
- **Written test:** September 26th at 9:00 at Agricultural Department of University of Reggio Calabria. Vito – Reggio Calabria.
- **Oral test:** September 28th at 9:00 at Agricultural Department of University of Reggio Calabria. Vito – Reggio Calabria.

Any change in the exam schedule will be posted on the website at the following link: [http://www.unirc.it/ricerca/scuola_dottorato.php](http://www.unirc.it/ricerca/scuola_dottorato.php) Other forms of notice will not be activated by this University.

**Language**
- English.

**Required degree**
- LM-3 Architettura del paesaggio
- LM-4 Architettura e ingegneria edile-architettura
- LM-4 c.u. Architettura e ingegneria edile-architettura (quinquennale)
- LM-6 Biologia
- LM-7 Biotecnologie agrarie
- LM-8 Biotecnologie industriali
- LM-9 Biotecnologie mediche, veterinarie e farmaceutiche
- LM-13 Farmacia e farmacia industriale
- LM-17 Fisica
- LM-22 Ingegneria chimica
- LM-23 Ingegneria civile
- LM-24 Ingegneria dei sistemi edilizi
- LM-31 Ingegneria gestionale
- LM-35 Ingegneria per l’ambiente e il territorio
- LM-42 Medicina veterinaria
- LM-48 Pianificazione territoriale urbanistica e ambientale
- LM-53 Scienza e ingegneria dei materiali
- LM-54 Scienze chimiche
- LM-56 Scienze dell’economia
- LM-60 Scienze della natura
- LM-61 Scienze della nutrizione umana
- LM-69 Scienze e tecnologie agrarie
- LM-70 Scienze e tecnologie alimentari
- LM-71 Scienze e tecnologie della chimica industriale
- LM-73 Scienze e tecnologie forestali ed ambientali
- LM-74 Scienze e tecnologie geologiche
- LM-75 Scienze e tecnologie per l’ambiente e il territorio
- LM-76 Scienze economiche per l’ambiente e la cultura
- LM-86 Scienze zootecniche e tecnologie animali
- 3/S (specialistiche in architettura del paesaggio)
- 4/S (specialistiche in architettura e ingegneria edile)
- 6/S (specialistiche in biologia)
- 7/S (specialistiche in biotecnologie agrarie)
- 8/S (specialistiche in biotecnologie industriali)
- 9/S (specialistiche in biotecnologie mediche, veterinarie e farmaceutiche)
- 14/S (specialistiche in farmacia e farmacia industriale)
- 20/S (specialistiche in fisica)
The training objectives of the international Doctorate in Agricultural, Food and Forestry Sciences are directed to develop learning courses aimed to improve skills to make more efficient and sustainable the agricultural, food and forestry sectors in different territorial contexts, both considering all factors involved in the production system and their agro-ecosystem features. The PhD programme aims to build a launch path to research work, which allows to acquire scientific tools and methodologies, and to develop skills exploitable even outside the academic circle and in different fields of knowledge. The research topics focus on innovation and sustainability of production processes, on fertility and soil conservation, biodiversity, crops energy balance, landscape ecology, forest management, food composition, food processing and distribution, agricultural and food economics. Furthermore, the course also intends to encourage doctoral students to develop skills in critical analysis and evaluation through specific activities carried out in international contexts. The PhD course will prepare researchers able to: a) develop autonomous research activities; b) prepare and propose public and private research projects at local, national and international level; c) recognize the research needs and their scientific, social and economic relevance; d) transfer knowledge through teaching activities and presentation of data and results; e) transfer research results in public and private fields.

The skills acquired by the PhD allow them to pursue a career in several institutions, as well as in public or private research centers, also in technical and executive roles of companies/institutions in primary production sectors and environmental management. The Agro-Food sector is particularly relevant for the country’s economy since it is characterized by a growing trend, high quality products, increasing levels of sustainability and strong territorial identity. To support and improve the quality of productions, advanced expertises appear essential to solve technical issues and planning R&D projects. The importance of multi-functional use of forests, also improved through scientific approaches of “sustainable forest management” is today widely recognized. The PhD will fit in working environments aimed to management and exploitation of forest and wildlife resources, as well as he will be able to support the technological innovation of primary production and food distribution along all the steps of supply chain. The PhD could be employed in private companies (farms, agri-food enterprises,
food processing companies, import-export companies), research centers, other governmental organizations (Natural Parks, Special Companies and Hospitals, Protection Consortia, Certification Bodies) and non-governmental organizations whose mission is linked to sustainable development and the promotion of spin-off activities with research centers.

Documents to be enclosed with the application
Curriculum Vitae et Studiorum, with emphasis on the performed studies and on eventual research activities already performed.

FORM N. 6

Course Title
Urban Regeneration and Economic Development URED

Curricula

Coordinator
Prof. Paolo Fuschi

Vice Coordinator
Prof. Carmelina Bevilacqua

Department
Dipartimento Patrimonio, Architettura e Urbanistica (PAU)

International Agreement
Università degli Studi “La Sapienza” – Rome – Italy
Aalto University – Finland
University of Salford – Manchester – United Kingdom
Northeastern University of Boston – United States of America
San Diego State University – United States of America

Duration
3 years

Positions
5

Scholarships
4

The International Doctorate Programme URED follows the seven European principles for innovative doctoral training (Brussels, 27/06/2011) and offers a high quality of research options in terms of the triple “i” dimensions (International mobility, inter-sectoral exposure and inter-disciplinarity).

The quality of research options offered by the programme is twofold. The former is related to emphasize a sophisticated economic understanding of the innovative aspects of urban regeneration processes by introducing new financial urban management tools integrated with social innovation and connection with Smart Specialisation Strategies. The latter is related to strengthen research partnerships by facilitating the international mobility of researchers in order to enable the career development of young researchers. Based on these premises, it is expected for all Phd students to spend abroad a period of study and research, whose activation will be verified grounding on the available financial resources. This period may be extendable depending on the needs highlighted by the student to carry out individual research. The whole training period is articulated as following:

- at the first year is carried out at the Università Mediterranea di Reggio Calabria. It is articulated in “intensive courses” on topics of the URED Doctoral Programme as following:
  1. Introduction to Urban Policy and Economic Development (Main Course-Coord. Prof. Carmelina Bevilacqua Università Reggio Calabria) – 60 hours.
  2. Spatial Planning (main Course - 60 hours).
  3. Urban Regeneration and Real Estate (main Course - 120 hours).
  4. City Planning and Community Planning (main Course - 180 hours).
  5. Economic Development (main Course - 180 hours).

During this period, the attendance to the classes is mandatory in order to acquire the
basic knowledges and to prepare presentations, in the form of assignments, on own research interests with respect to the issues addressed by the teachers from the MAPS-LED research network.

During the first year, the opportunity to attend at European Module in Spatial Development Planning (EMSDP), (KU Leuven, Belgium Title: European Module in Spatial Development Planning EMSDP) will be offered.

- at the second year of the URED programme, at Northeastern University of Boston Department of Economics (USA), the students are allowed to attend the following classes:
  1. Applied Microeconomics Prof. Bakkal
  2. Applied Macroeconomics Prof. Kim
  3. Regional Economics Prof. Kim
  4. Urban Economics Development Prof. Fitzgerald
  5. Strategizing Public Policy Prof. Clayson-Matthews
  6. Cities, Sustainability and Climate Change Prof. Fitzgerald

  The above classes provide a final exam. Candidates who do not pass no more than two classes (mark C) shall be evaluated again, depending on the Professor's decisions. These candidates can also decide to repeat the classes following the direction of the Professor running the course.

- at the third year the student will be allowed to spend a period of study and research at Transfer and Research Centers of the European and US Universities belonging to the MAPS-LED research network based on the Cooperative Agreement signed for URED Doctoral Programme. In order to carry out the own research, each PhD student can choose depending on individual needs, among the following destinations:
  - Centri di ricerca affiliati con la Northeastern University of Boston (i.e. Dukakis Center, LouisianaTech Center);
  - Centri di ricerca e agenzie affiliati con la San Diego State University (Sandag - The San Diego Association of Governments);
  - School of Built and Environment – University of Salford
  - Aalto University - Spatial Planning and Transportation Engineering.

According to the “Principles for Innovative Doctoral Training”, each PhD student can express the need to carry on research activity at a different destination from the above list. He/she can provide an official request to the Faculty Staff at least 4 months before the start date of the period.

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<tr>
<th>Scientific Disciplinary Area</th>
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<tbody>
<tr>
<td>01/A Mathematics</td>
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<tr>
<td>07/A1 Agricultural economics and appraisal</td>
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<tr>
<td>08/A3 Infrastructural and transportation engineering, real estate appraisal and investment valuation</td>
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<tr>
<td>08/A Structural and geotechnical engineering</td>
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<tr>
<td>08/B Structural mechanics</td>
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<tr>
<td>08/E Architectural restoration and history</td>
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<tr>
<td>08/F1 Urban and landscape planning and design</td>
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<tr>
<td>09/C Energetic, and nuclear engineering</td>
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<tr>
<td>13/A1 Economics</td>
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<td>13/A2 Economic policy</td>
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<td>13/A3 Public economics</td>
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</table>
13/A4 Applied economics
13/A5 Econometrics
13/B Business administration and Management
13/C1 Economic history

**Topics on which the competition will deal with**
Urban regeneration, urban design, urban system, development policy, enterprises and local development, organization of business activities, access to credit for a new entrepreneurship's development, public private partnership, community led approach, financial and economic evaluation of urban transformations initiatives. Sustainability of interventions related to urban transformations also through the analysis of the built environment.

**Admission procedures**
The entrance exam for the International Doctorate Program admission will be in English and will consists of two compulsory parts: a written test and an oral test, designed to assess candidates' knowledge acquired on topics consistent with the curriculum of the Doctorate, and attitudes toward scientific research.
In order to participate in the exam, test takers must bring a valid Identification Document.

**Admission timetable**
**Written Test:** September 27, 2017 - 9:00 pm local time - PAU Department – CLUDs Lab.
**Oral Test:** September 28, 2017 - 9:00 am local time - PAU Department – CLUDs Lab.
Any change in the exam schedule will be posted on the website at the following link: [http://www.unirc.it/ricerca/scuola_dottorato.php](http://www.unirc.it/ricerca/scuola_dottorato.php) Other forms of notice will not be activated by this University.

**Language**
English

**Educational Qualification required**
Masters degree at the date of the application.
Degree class (the code is related to Italian system only, in other cases please consider the scientific field denomination):
LM-3: Landscape Architecture
LM-4: Architecture and Architectural Engineering
LM-10: Conservation of Architectural and Environmental Heritage
LM-12: Design
LM-16: Finance
LM-23: Civil Engineering
LM-24: Construction Engineering
LM-31: Management Engineering
LM-35: Environmental and Territory Engineering
LM-48: Urban, Territorial and Environmental Planning
LM-56: Economics
LM-63: Public Administration
LM-69: Agricultural Sciences and Technologies
LM-76: Environmental and Cultural Economics
LM-77: Economics and Business Management
LM-81: Development and International Cooperation Sciences
LM-82: Statistical Science
LM-91: Techniques and Methods for the Information Society
LS-3: Landscape Architecture
LS-4: Architecture and Architectural Engineering
LS-10: Conservation of Architectural and Environmental Heritage
Degree class LS-19: Finance
Degree class LS-28: Civil Engineering
<table>
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<tr>
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<tbody>
<tr>
<td>Degree class LS-38: Environmental and Territory Engineering</td>
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<tr>
<td>Degree class LS-54: Urban, Territorial and Environmental Planning</td>
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<tr>
<td>Degree class LS-64: Economic Science</td>
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<td>Degree class LS-71: Public Administration</td>
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<tr>
<td>Degree class LS-77: Agricultural Sciences and Technologies</td>
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<tr>
<td>Degree class LS-83: Environmental and Cultural Economics</td>
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<td>Degree class LS-84: Economics and Business Management</td>
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<tr>
<td>Degree class LS-90: Social and Demographic Statistical Science</td>
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<tr>
<td>Degree class LS-91: Actuarial, Financial and Economic Statistics</td>
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<th>Further requirements</th>
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<td>TOEFL with a score of 79-80 is required. IELTS, Cambridge Advanced English Exam (CAE) or Pearson Test of English (PTE) are also accepted.</td>
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<tr>
<th>Educational goals</th>
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<td>The URED-IDP has been built on the strong existing CLUDs research network of 4 EU Universities (UNIRC-SOBE-Aalto-FOCUS) and 2 US Universities (NEU and SDSU). The CLUDs Project (Commercial Local Urban Districts) funded by IRSES 2010 has provided an understanding of the contributions of the different forms of Public Private Partnerships in shaping urban regeneration initiatives from the territorial milieu perspective. The MAPS-LED project recently funded by RISE Horizon 2020 allows to strengthen the link between urban/spatial fields with economic development by introducing smart specialisation strategies (S3) as innovative policy process to enhance innovation according with place-based approach. The high level of interdisciplinarity of the URED programme is based on the connection between Urban and Territorial Planning and Design with the Economics field, including beside the basic topics – Micro and Macro Economics - also Public Policy Analysis, Decision Making Process, Local Economic Development and Public Private Partnerships. URED is based on an innovative multidisciplinary approach allowing the integration of economic disciplines with urban issues to support economic development of territories in relation to local needs.</td>
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<tr>
<th>Job Opportunities</th>
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| The URED Doctoral Programme is based on a strong international overtone in order to intercept new trends of the labour market supply and demand. The program aims at offering a higher qualification to reach the following job opportunities:
  - Project manager – urban regeneration initiatives;
  - Community led initiatives facilitator;
  - Real estate manager;
  - Expert in evaluation of public investment;
  - Expert in built environment (from structural analysis to quality control);
  - Incubator project manager.

The high level of interdisciplinarity of URED is based on the connection between Urban and Territorial Planning with the Economics field. The emphasis on the PPPs, the community led approach, the urban-rural links and the innovation by S3 reflects the orientation of Europe 2020 agenda defining areas of research consistent with Horizon 2020. The URED-IDP selection process aims at enrolling the fellows as ESR also in order to offer them the opportunity to be involved in the MAPS-LED project. |

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<tr>
<th>Documents that must be attached to the application form</th>
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