



UNIVERSITÀ DEGLI STUDI DI ENNA "KORE"

Rectoral Decree no. 36 of 24/07/2020

Competition by way of comparative evaluation for places on the thirty-sixth cycle of research doctoral programs.

Ph.D. program "Innovative Technologies for Engineering and the Built Environment"

Art. 1

Establishment

The University of Enna 'Kore' announces a public competition by way of comparative evaluation for the allocation of 8 places in the three-year PhD program "Innovative Technologies for Engineering and the Built Environment" of the thirty-sixth cycle of research doctoral programs, starting from the Academic Year 2020-2021.

All citizen, regardless of sex, age and nationality may apply to be admitted to the PhD program. Applicants must hold a postgraduate master degree, a specialized degree, or a master degree under the former Italian university system, or an equivalent degree obtained abroad, belonging to one of the classes listed in Annex A (only in Italian). For anything not specified in this announcement, reference is made to the provisions contained in the Regulation pursuant to the Presidential Decree 181/2017.

Communications regarding this competition will be published on the University website and will count as notifications to the interested parties. In compliance to the Regulation (EU) 2016/679, the candidates who will submit an application, according to the procedures described in the following art. 3, will receive an alphanumeric identification code at the email address they provide in the application. In the documents made public by the University of Enna "Kore", relating to this selective procedure, the identification of each candidate will take place only through this code, with the exception of the final ranking of the suitable candidates.

Art. 2

Scholarships

The PhD program offers 6 (six) scholarships, excluding those possibly financed by the Sicilian Region.

Scholarships shall be initially awarded for one year and will be yearly renewed on condition that the candidate has completed the schedule of activities envisaged for the previous year as checked in accordance with the procedures laid down for each Doctoral Program. The amount of each single scholarship, to be disbursed in monthly installments, is determined in accordance with Ministerial Decree of 18 June 2008 and subsequent amendments. For 2020 the amount of each scholarship is set by the Ministerial Decree No. 40 of 25 January 2018 and is worth € 15,343.28 subject to payment by recipients of their own share of the relevant social security contributions due.

Suspension of course attendance for more than thirty days results in suspension of the scholarship.

The amount of the scholarship shall be increased by a maximum of 50% for a total period not exceeding half of the overall duration of the program if the doctoral student is authorized by the Academic Board to conduct research abroad and has been admitted to the second year. Activities carried out abroad will normally have a total duration of not less than six months.

Commencing from the second year, each doctoral student shall be guaranteed, in addition to the scholarship and within the context of the University's existing financial resources, a budget for research in Italy and abroad that is adequate for the type of program and that in any event is not less than 10% of the amount of the scholarship. The Executive Board, on the opinion of the Senate, decides annually on the amount and methods of disbursement of the above budget. If the doctoral student is not assessed positively for the purpose of renewing the scholarship, or renounces it, the unused amount remains in the availability of the University.

The scholarship is offered only to those who do not report, in the period of right to the scholarship, an annual income higher than the annual amount of the scholarship.

Art. 3

Admission Applications

All applicants for admission must access the online application form found on the University website, in the Students> Research Doctorates> XXXVI cycle section. They must complete the application by entering all the required information and uploading a valid identification document. The candidate must therefore print the completed application and, after signing it, must send it - together with the Annexes, the Project Proposal and any qualifications referred to in the

following paragraphs - to the University Protocol, via delle Olimpiadi 4, 94100 Enna (Engineering Pavilion), within the deadline which corresponds to the thirtieth day from the publication of the Notice of this announcement in the Official Gazette.

The completed application for admission duly signed must include:

- a) Proof of payment of the selection fee of € 98.50 (ninety-eight and fifty) made to the IBAN account IT97W0503616800CC0551777711 made payable to the University of Enna at the Banca Agricola Popolare di Ragusa, Enna agency, indicating the reason for payment " [Surname and Name of the candidate] Selection for PhD in "Innovative Technologies for Engineering and the Built Environment", code DOT14D6833;
- b) Curriculum vitae et studiorum;
- c) documents and qualifications deemed useful for the purposes of the competition;
- d) scientific publications (original or photocopy);
- e) research project proposal (which in any case does not constitute a constraint on the choice of subject for the PhD thesis);
- f) a signed list of documents, titles, qualifications, publications or anything else attached to the application;
- g) Informatory (Annex 1).

The qualifications may be presented in original, in an authenticated photocopy or in a simple copy, whose conformity to the original will be declared by the candidate by means of self-certification or by substitutive declarations of the notarial deed (articles 19, 46 and 47 of the Presidential Decree 445/2000) (Annex B).

Furthermore, candidates may submit up to a maximum of two reference letters together with their application.

if graduated abroad: diploma supplement or final degree certificate with exams passed (if graduated) or transcript of records must be translated in Italian, or English.

The envelope containing the application and the related documentation must obligatorily indicate in the top left corner the following: "Selection for Research Doctorate code DOT14D6833".

The envelope containing all application materials may be hand delivered from Monday to Friday, from 9:00 to 12:00 (except public holidays), or sent by registered mail A.R. within the same deadline. In both cases, the term is peremptory. Applications received subsequently will not be taken into consideration. The postmark is not valid.

All applicants are admitted to the competition conditionally until the requirements for admission have been completely verified. The University of Enna "Kore" has the right to check by sampling. The exclusion of applicants who do not have the requirements as per this announcement can be excluded any time for justified reasons by the Rector.

Any exclusion measure will be sent to the interested party at the email address indicated in the application.

Art. 4

Selection Committee

The Selection Committee that comparatively evaluates the candidates for each doctoral program is appointed by decree of the Rector.

Admission to the PhD program takes place through selection by qualifications and subsequent exam, after evaluation of the qualifications themselves, aimed at verifying the competences, abilities and aptitude of candidates for carrying out research.

The evaluation of qualifications is carried out with regard to the research topics of the PhD program, indicated in Annex A, to which the exam also relates.

The Committee may assign up to 100 points to each candidate, of which 20 attributable to qualifications, 30 to the research project proposal and 50 to the exam.

Qualifications will be evaluated in the following way:

- a) Master 's degree mark (in case of multiple MA degrees, the degree with the highest mark will be considered) up to 10 points, distributed in the following way:
 - up to 98 = 0 points
 - from 99 to 101= 2 points
 - from 102 to 104 = 4 points
 - from 105 to 107 = 6 points
 - from 108 to 110 = 8 points
 - 110/110 cum laude = 10 points;
- b) Scientific publications up to 5 points;
- c) Reference letters, University Masters, other Master's degrees, Post-graduate university specialization courses, University specialization degrees, Scholarships and research grants, provided that they are aimed at documented research activities carried out at public or private institutions, eligibility in analogous competitions: up to a maximum of 5 points within the maximum limit of 2 points for each document.

Candidates who have achieved a minimum score of 30 points are admitted to the exam. Exams will take place on 21 September 2020 at 10:00 am. The list of candidates admitted to the exam and the exact location where the exam will take place will be published on the University web-site.

Candidates must present a valid ID in order to sit the exam.

The Committee, upon assessing the required English language skills of each candidate, will assign a maximum of 50 points to the exam.

Candidates who have obtained a minimum score of 30 points at the exam obtain eligibility for enrollment in the Doctorate. Ineligible candidates will be notified via email, as their names will not be made public.

Once the competition exam has been completed, the Selection Committee ranks the candidates based on the sum of the points awarded. In the event of a tie between candidates, the youngest candidate will be given priority. The rights of the less affluent for the purpose of awarding grants are reserved.

The ranking is approved, upon checking the regularity of the documents, by the Rector with his own decree which has the value of a definitive provision. The final ranking list will be published on the University website. The mentioned publication is considered the official notification. The first eight candidates in the final ranking list may enter the PhD program, as winners of the admission procedure.

If a successful applicant does not enroll or withdraws before the course enrolment date, the next applicant on the ranking list will be offered the place. If a successful applicant withdraws or is excluded during the first quarter of the first year of the course, the Academic Board (Collegio dei docenti) may decide to fill the vacant place with the next applicant on the ranking list.

Art. 5

Tuition Fees

The annual tuition fees for access to and attendance of PhD courses is € 3,500.00, distributed in two installments:

- First installment of € 1,500.00: to be paid within the deadline for registration; in subsequent academic years by October 30 of each year.
- Second installment of € 2,000.00: by December 22nd of each year. The payments must be made on bank account no. IT97W0503616800CC0551777711. The annual contribution is due by all members, including scholarship winners, except in cases where total or partial exemption is expressly provided for.

Art. 6

Enrollment Application

By the peremptory deadline of 9 October 2020, admitted candidates must enroll in the PhD program, failing which they will be excluded.

The enrolment application must be accompanied by:

- a) Proof of payment of the first installment of € 1.500 by the deadline 9 October 2020;
- b) Registration form made available through the University website, including the mandatory declarations;
- c) double-sided copy of a valid ID or passport and double-sided copy of the Italian taxpayers' code (codice fiscale)

Scholarship recipients must also declare that:

- a) they have not been previously awarded a PhD scholarship (even for a single year or part thereof);
- b) they are aware that Doctorate scholarships cannot be held concurrently with other scholarships granted for whatever reason, with the exception of those awarded by national or international institutions aimed at integrating the research activities of the doctorate student with periods of study abroad;
- c) they are aware that the scholarship is exclusively for those whose annual income, during the scholarship period, does not exceed the yearly amount of the scholarship itself and that they will communicate promptly any exceeding of the limit of income;
- d) in the eventuality of income limit exceeded, they will return the corresponding scholarship months received;
- e) they are available to spend research stays abroad, during the PhD period, and they are aware that failure to carry out such research stays abroad may result in the revocation of the scholarship.

Winners who are not Italian citizens must meet the following requirements by the application deadline:

- a) enjoy civil and political rights also in their State of origin;
- b) fulfil all the requirements provided for Italian citizens, with the exception of the Italian citizenship;
- c) have adequate knowledge of the Italian language.

Art. 7

Attendance, rights and obligations of doctoral students

Admission to a PhD Program entails an exclusive and full-time commitment in line with what is specified in the syllabus for the Doctoral Program concerned. For details concerning attendance, rights, prohibitions and obligations of PhD students, please refer to the University Regulations (Regolamento di Ateneo) on the subject.

PhD students are required to observe the provisions of the Code of Conduct of the University of Enna "Kore" available on the website: www.unikore.it

Art. 8

Final Exam and awarding of the doctorate

A PhD qualification is granted by the Rector following positive assessment of a dissertation that is considered to increase knowledge or improve the methods applied in the research field being investigated.

The PhD thesis, accompanied by a summary in Italian or English, and written in Italian or English or in another language previously authorized by the Academic Board, is publicly discussed before a Committee appointed by the Rector.

There is an admission fee for the final exam of € 400 inclusive of statutory taxes.

Art. 9

Privacy Notice

The Administration of the University of Enna "Kore" will use the applicants' personal data only for the selection procedure and for institutional purpose, in full conformance of R.G.P.D. 679/2016.

In observance of the Law no. 241 of August 7, 1990 and subsequent amendments, the General Director of the Free University of Enna "Kore", Dott. Salvatore Berritella, is the person in charge of the procedure referred to in this announcement.

Art. 10

Final Provisions

Submission of the application for admission to the selection pursuant to art. 3 implies the acceptance by candidates of the rules contained in this announcement and of the University Regulations to which it refers. Failure to comply with the rules will result in exclusion from the admission competition and may result in exclusion from the PhD program.

Ineligible candidates interested in having back the qualifications and publications presented during the application may request them within 30 days of the issue of the Rectoral Decree approving the final ranking. The aforementioned documentation, if not personally collected by the interested parties, may be sent with shipping costs to be paid by the recipient; once this term has elapsed, in the absence of the aforementioned request, the University will not be liable for its custody.

For any matters not specifically covered in this announcement and in the University Regulations, refer to Research Doctorate Regulations, within the limits of applicability to non-public universities

In the event of any disputes, the Italian version of this announcement will prevail.

The following are annexes to this announcement: «Summary of the Doctoral Course» (Annex A) " Model of substitutive declaration of certification of the deed of notoriety " (Annex B) «Information on the protection of personal data» (Annex 1).

The Rector
Prof. Giovanni Puglisi



UNIVERSITÀ DEGLI STUDI DI ENNA "KORE"

Università degli Studi di Enna "Kore"
Decreto Rettorale n. 36/2020
Dottorati di ricerca XXXVI ciclo. Anno Accademico 2020-2021.

ALLEGATO A
DOTTORATO DI RICERCA IN
TECNOLOGIE INNOVATIVE PER L'INGEGNERIA E L'AMBIENTE COSTRUITO

Requisiti richiesti per l'ammissione

Tutte le lauree magistrali

Altri requisiti

È richiesta la conoscenza della lingua inglese.

Obiettivi del corso

Il dottorato rappresenta il naturale completamento del percorso di studi nei settori dell'ingegneria e dell'architettura. Gli obiettivi sono orientati ad un avanzamento delle conoscenze nel campo della:

- progettazione, gestione, controllo, sicurezza e monitoraggio delle infrastrutture critiche e delle strutture che interagiscono con l'ambiente ed il territorio;
- delle scienze di base, delle tecnologie e dei sistemi a servizio della difesa del costruito, del territorio e dei nuovi materiali;
- dei sistemi intelligenti nelle reti infrastrutturali (rappresentazione della conoscenza, *machine-learning*, *deep learning*, ottimizzazione) e dei sistemi intelligenti (*smart mobility* e *smart building*).

I percorsi formativi sono finalizzati al trasferimento delle conoscenze su specifici argomenti dell'ingegneria (civile, aeronautica e informatica) e dell'architettura, per formare figure di alta specializzazione in grado di affrontare complesse tematiche di ricerca e/o di carattere applicativo. Per l'interdisciplinarietà delle tematiche, il dottorato è organizzato in distinti percorsi formativi (*curriculum*) con corsi generali durante il 1° anno e specialistici al 2° e 3° anno. La formazione è completata da esperienze presso i laboratori dell'ateneo, dove sussistono competenze, personale e strumentazioni in grado di supportare i dottorandi, nonché con periodi di ricerca presso università e centri di ricerca italiani e stranieri.

Attività didattica disciplinare e interdisciplinare

Insegnamenti ad hoc previsti nell'iter formativo:

Tot CFU: 120, n.ro insegnamenti: 15, di cui è prevista verifica finale: 0

Insegnamenti mutuati da corsi di laurea magistrale	NO	
Insegnamenti mutuati da corsi di laurea (primo livello)		NO
Cicli seminariali	SI	
Soggiorni di ricerca		SI
ITALIA - al di fuori delle istituzioni coinvolte		
ESTERO - nell'ambito e al di fuori delle istituzioni coinvolte		
Periodo medio previsto (in mesi per studente)		6

University of Enna "Kore"
Rectoral Decree no. 36/2020
PhD Programs XXXVI cycle. Academic Year 2020-2021.

ANNEX B

Model of substitutive declaration of certification of the deed of notoriety (D.P.R. 445/2000)

I, the undersigned, LAST NAME _____ FIRST NAME _____
Italian taxpayer's code _____ born in _____ (prov. _____)
on _____ resident in _____ (prov. _____)
address _____ C.A.P. _____
phone number _____ mobile phone number _____
email address _____ @ _____

Under his/her personal responsibility and fully aware of legal consequences of making false declaration according to art. 76 D.P.R. 445/2000 and to the provisions of the Penal Code and the special legislation in this matter.

DECLARE

Place and date _____

The Declarant (signature)

Note: Attach copy of valid ID