



Subject: *Call for admission to the PhD Courses 2017/18*

DECREES

Article 1

Places available

It is hereby established, for the academic year 2017/2018, the 33rd PhD cycle of doctoral research courses at the University of Foggia.

The activation of the individual courses is subject to the accreditation by MIUR.

Notice is hereby given of the selection procedure, based on qualifications and interviews, for admission to the following Ph.D programmes:

- **CULTURE, EDUCATION, COMMUNICATION (Appendix A);**
- **MANAGEMENT OF INNOVATION IN THE AGRICULTURAL AND FOOD SYSTEM OF THE MEDITERRANEAN REGION (Appendix B);**
- **TRANSLATIONAL MEDICINE AND FOOD: INNOVATION, SAFETY AND MANAGEMENT (Appendix C);**

The appendices shall constitute an integral part of this announcement and shall specify, for each PhD course, its places available, characteristics of these courses, the type of qualifications required to participate in the contest, and any additional requirements and procedures for admission.

Article 2

Entrance requirements

The Ph.D programmes are open to all applicants, regardless of nationality, who at the application deadline are in possession of the academic qualification as indicated in the respective appendices (A-B-C) or an equivalent academic qualification from a foreign university.

Moreover, candidates may apply for the post as long as they are in possession of the admission requirements by 31 October 2017, in which case they will be admitted 'with reserve' and the winning candidates must prove that they are indeed in possession of the admission requirements by that date, otherwise they will be excluded. For those candidates applying 'with reserve', the evaluation of the documentation will be based not on the final degree mark but on the average mark for the exams passed on the 'magistrale' (Master's or specialist) degree course.

The University administration may, at any time, exclude applicants because of the lack of the above-mentioned requirements.

The suitability of an academic qualification obtained abroad must be verified by the Ph.D Board, according to the relevant regulations in force both in Italy and in the country where the qualification was obtained, and according to the relevant international treaties or agreements regarding the recognition of academic qualifications for continuing education abroad.

Candidates in possession of a foreign academic qualification which has not already been officially recognized as equivalent to a university degree should request this recognition explicitly in the application for the selection procedure, enclosing the certificate of their qualification, along with an official, authenticated translation into Italian and a “Dichiarazione di valore in loco” (stating what the qualification corresponds to in Italy) from the Italian Embassy or Consulate in the country where the qualification was obtained.

Foreign candidates should therefore enclose the following documents with their application:

- a copy of their academic qualification, translated and authenticated by an Italian Embassy or Consulate abroad, according to the regulations in force regarding the admission of foreign nationals to Ph.D programmes at Italian universities;
- a “Dichiarazione di valore in loco”, obtainable from the same Italian Embassy or Consulate;
- for candidates who will be physically present for the interview, a copy of the residency permit (in the case of non-EU citizens).

Article 3

Applications and deadline

Applications for the selection procedure should be addressed to The Rector of the University of Foggia (al Magnifico Rettore dell'Università degli Studi di Foggia, via Gramsci 89-91, 71122 Foggia, Italy), and should arrive **no later than 15/09/2017**.

Candidates for submission of their application are required to perform the following tasks:

a) pay an admission fee to the contest in advance:

€ 52.00 (Fifty-two/ 00) to be made on current account of the University of Foggia's bank, at the Banca Popolare di Bari, with the following IBAN: **IT38B0542404297000007001002 SWIFT CODE BPBAIT3B BANK CODE 05424** bearing the following reason: "Contest for admission to the PhD in - XXXIII term". **Candidates with a degree obtained abroad are exempted from the payment of the above mentioned fee.**

b) to fill in the online request for participation to Ph.D programmes, available at <http://www.unifg.it/dottorati-di-ricerca/domanda2017>;

c) print and sign, under penalty of nullity, the application form obtained upon completion of the guided compilation procedure;

d) send such application with the required documents preferably:

- by Certified EMail (hereinafter CEM), sending, from their personal CEM, an email to protocollo@cert.unifg.it. The aforementioned email shall contain the subject-line: "Contest for admission to the PhD programme in..... - XXXIII term", and will contain the application form, duly completed and signed, and all required documentation exclusively in PDF format.

or

- directly to the Protocol Office of the University of Foggia (in Via A. Gramsci n. 89/91), Monday to Friday from 9:30 am to 12:30 pm and Tuesday from 15:30 to 17:00. The protocol office will be closed from the 7th to 18th of August when all University offices will be closed.
- by registered mail. In this case the request **shall be received, under penalty of exclusion, by 15/09/2017**. The date of receipt at the University's Protocol Office shall be considered as effective receipt date, and not the date of the post office stamp.
- only foreign applicants not residing in Italy, who do not have their own CEM, can send their complete application with every required attachment by email to **altaformazione@unifg.it**. Such candidates should however, fill out the online application, print and sign it.

Applicants wishing to participate in more than one of the Ph.D programmes shall make a deposit for each request, register for each course in which they wish to participate, and submit separate requests.

Please note that online registration without the submission of the signed application and the relative attachments will not be considered.

Applications received by uncertified/normal e-mail or by fax will not be considered valid, nor will those which are submitted after the above-mentioned deadline. The only date to be taken into account will be the date of receipt by the Protocol Office. Unsigned applications will also be excluded.

According to Law no. 104, 05/02/1992, and subsequent amendments and additions to the same, disabled applicants should indicate in their application the kind of help that they require during the interview as well as any extra time they might need because of their particular disability.

Upon registration for participation in the contest, candidates, through a special IT procedure, declare and certify, under their own responsibility, the following:

- surname and first name(s);
- date and place of birth;
- permanent address, and current address for the purpose of the selection procedure (including their post code, telephone number and e-mail address);
- an exact indication of the Ph.D programme applied for;
- nationality;
- university degree obtained, indicating the class of degree, the date of the award and the university which awarded it, or (for qualifications obtained from a foreign university) the equivalent Italian degree (with details of the procedure by which the degree was convalidated) or a request for convalidation of the qualification;
- participation 'with reserve' in the case of those graduating by 31/10/2017;
- that they undertake to attend the Ph.D programme full-time, in accordance with the conditions stipulated by the governing board or the panel of professors;
- that they are aware that enrolment on more than one course of study is not permitted;

- the help they require, if they are disabled, because of their disability;
- that they undertake to notify the university promptly in case of any change in the address, telephone number or e-mail address given in the application.

The following documents should be attached to the application in PDF format:

- 1) a photocopy of a valid identity-card or passport;
- 2) CV (obligatorily signed at the bottom and containing the statement "I certify that the information in this Curriculum Vitae are true in accordance with Presidential Decree 445/2000");
- 3) a list of publications, and their abstract;
- 4) the proposed research project which should pertain to the area of the Ph.D programme for which you are applying;
- 5) any letters of reference, written by a highly qualified person, regarding verifiable activities applicants have carried out in the field of the research project proposed;
- 6) a declaration that there are no obstacles preventing them from accepting a place on the Ph.D programme, should one be offered to them.
- 7) the receipt of a bank transfer for the sum of € 52.00 (Fifty-two/ 00) made out to the account of the University of Foggia, at the 'Banca Popolare di Bari', with the following IBAN: IT38B0542404297000007001002 SWIFT CODE BPBAIT3B BANK CODE 05424 bearing the following reason: "Contest for admission to the PhD in - XXXIII term";
- 8) those candidates applying WITH RESERVE must also attach the self-certified list of exams passed as part of their degree course, and a copy of their study programme.

Qualifications, CVs, research projects and letters of reference may be written in English.

Candidates who send their application via certified e-mail should make sure that all the documents they attach are in PDF format. The file should not exceed 60MB; if you exceed this size, the candidate shall send additional certified emails making it clear that these are the continuation of the first shipment.

Candidates who apply directly to the Protocol Office or by registered mail shall submit all the required documents in PDF format on CD Rom.

Candidates must possess the requisites stipulated above by the deadline of this current notification, except for those applying 'with reserve' who must be in possession of the requisites by 31 October 2017, as stated under this article.

The University is not responsible for any loss of information due to incorrect address details provided by the applicants, or to failure or delay in notifying any change of address from that given in the application, nor is it responsible for any postal delay or for unforeseeable circumstances.

Article 4

Nomination of the adjudication commission

In accordance with art. 14 of the University Regulations concerning research doctorates, the adjudicating commissions for the admission tests to the doctoral schools are appointed by the Rector, on the proposal of the Doctoral School Board.

Article 5

Selection procedure

Candidates will be selected on the basis of the assessment of:

- **their qualifications** (publications, CV, research project – to be drawn up by the candidates themselves – and any letters of reference);
- **an interview** which, on request, may be held in English and which will focus on a presentation of the proposed research project, as well as on a discussion of relevant research areas;
- **their knowledge of English.**

Only for the PhD programme in Culture, Education, Communication:

- **Candidates, as shown in Appendix A, shall also perform a written exam and do not have to present the "Research Project";**

- **Foreign applicants participating in the place reserved for them, shall not have to take a written test but will be assessed based on their qualifications (including the Research Project) and the interview as per the requirements for candidates of other PhD programmes.**

Foreign candidates who do not live in Italy may, on request, be interviewed via video-conference, in which case they should include their Skype contact in their application. They must declare that they agree to have the interview on a date and at a time stipulated by the panel, and that they are aware that, if it is impossible to contact them via Skype at the stipulated time, their application will no longer be considered valid. The University of Foggia will not take any responsibility for technical problems, which prevent the video-conference from being set up. In the case of the candidate not being available at the time of the call for the interview, the candidate will be declared absent.

The interviews will be held at the University of Foggia on dates which will be published on the University website (www.unifg.it) and on its electronic notice-board or listed in the Appendices of each PhD (A- B - C) at least 20 days beforehand. These publications are legally valid notifications.

Article 6

Merit ranking

The Commission shall give each candidate up to 60 points for qualifications (including, where there is provision for the assessment, curriculum vitae, the research project and/or letters of reference) and 60 points for the tests (including the interview).

At the end of the examinations, the Commission will compile general lists of merit based on the scores. A separate list will be compiled for places reserved for the international graduates. If however at the end of the examination these places are unfilled by international graduates, they will be added to the general lists and will be available to the home students.

Article 7

Admission to the programmes

Candidates will be admitted to the Ph.D programmes according to their ranking in the classification, until the places available are filled. In the case of two or more candidates obtaining the same score, the grant will be assigned on the basis of the candidates' financial situation (as indicated by the ISEE certificate). In case of further parity, preference will be given to the younger/youngest candidate.

The classification of the successful candidates will be published on the University website (www.unifg.it) and on its electronic notice-board.

Article 8

Grants

Grants are assigned on an annual basis and are renewed on condition that the Ph.D student has completed the activities on his/her programme for the previous year, as verified by methods decided upon by the panel of professors.

The University will award a grant to the top three candidates on the list for each Ph.D. programme. Any exception to this must be deliberated by the Doctoral School Board on the basis of its coherence with the 'research project' assigned to the doctoral student with the final research objective of other financing bodies.

The grants awarded by the University will be allocated to candidates according to the ranking of each competition, the first three positions for Doctoral Studies in "Culture, Education, Communication" and "Innovation Management in Agro Systems -Food Foods of the Mediterranean Region" and the first 6 places for the Doctoral Program in "Transitional Medicine and Food: Innovation, Safety and Management "; various suggestions may be deliberated by the College of Teachers on the basis of the consistency of the "Research Project" assigned to the PhD, with the research objectives of the other funding bodies.

The annual gross amount of the grant, as defined in Ministerial Decree 18/06/2008, is €13,638,47 pre-tax with contributions to be paid by the student, and is subject to separate social security payments (INPS).

The grant will be increased by 50% for periods spent carrying out research abroad.

Grants will only be assigned to students whose gross annual income does not exceed €12,000.00; this requisite is subject to an annual evaluation. If, between one year and the next, a student's financial situation changes and he/she is no longer eligible for a grant, he/she will not be obliged to pay back money already received. However, if the student's financial situation changes during the year and he/she is no longer eligible for a grant, then he/she will be obliged to pay back the instalments already received.

Grants for the Ph.D programme are not accumulable with any other type of grant except those awarded by national or foreign institutes for helping to finance research periods abroad. In the latter case, the student is not eligible for scholarships for periods of training abroad.

Students who have already been awarded a grant, even in part, for attending another Ph.D programme (either at the University of Foggia or at another university) cannot be awarded one of these grants.

Article 9

Registration

Successful candidates will not receive any written communication. It is their responsibility to hand in or send a completed registration form to the 'Servizio Alta Formazione' **within the deadline indicated on the University's electronic notice-board along with the publication of the classification in order of merit**, under penalty of forfeiting their place on the programme.

The registration forms are available at the 'Servizio Alta Formazione', or can be downloaded from the university website (www.unifg.it). The completed and signed forms including all the documents stipulated should be delivered to the 'Servizio Alta Formazione' (c/o Palazzo Ateneo, via Antonio Gramsci 89-91, 1st floor) Monday to Friday from 9:30 am to 12:30 pm and Tuesday from 15:30 to 17:00 or sent by registered post to: Università degli Studi di Foggia, Servizio Alta Formazione, via Antonio Gramsci 89-91, 71122 Foggia, in which case the post office stamp date will be taken into consideration.

Article 10

Fees and contributions

The University Regulations on Taxes and Contributions are at present being rewritten and adjusted according to the provisions of paragraphs 254 et seq. Of Article 1 of the Stability Law 2017 (Lt 232/2016). **With the next Decree of the Rector, the total amount of tuition fees will be announced exclusively to students of the PhD degree grant scholarship beneficiaries.**

All PhD students are required to pay the Regional Tax, this is based on the family income (ISEE Module), the amount indicated in the following table:

Regional tax	ISEE
€120.00	up to € 23.000
€140.00	from € 23.001 to € 46.000
€160.00	€ 46.001 and above

Article 11

Academic training of doctoral students

Admission to the Ph.D programmes entails an exclusive, full-time commitment, with the exception laid down in section 4 of articles 7 and 11 of the University Regulations for Doctoral Research. The student is obliged to attend the course on the basis of the guidelines laid down by the Doctoral School Board.

A Ph.D student may be excluded by Rectoral provision motivated by the Doctoral School Board in the case of a negative evaluation of an activity he/she has carried out in one of the verification-tests stipulated in the organization of the course.

Students shall carry out educational and research activities, established by the PhD Faculty Committee, also at affiliated facilities.

Ph.D students with a grant must spend at least 6 months' study and training abroad, at a qualified research unit identified and agreed upon by a tutor, and authorized by the Doctoral School Board. Ph.D students without a grant are also advised to undertake a period of study abroad.

Article 12

Final examination and conferment of title

The title of research doctorate, abbreviated as "Dott.Ric." or "Ph.D.", is issued following a positive evaluation of the research thesis which contributes to the furtherance of knowledge and methodologies in the given field. The thesis must be written in either English or Italian, or in another foreign language if so agreed by prior consent by the Doctoral School Board.

The thesis must be discussed within three months of the termination of the Ph.D course after admission to the final exam by 'evaluators'; discussion may be deferred by up to a maximum of 6 months if so requested by the 'evaluators' should they decide that significant additions or corrections to the thesis are necessary.

For the conditions and terms for presenting the thesis, Ph.D students should follow the guidelines laid down in the "Regolamento di Ateneo in materia di dottorati"

The title of Research Doctor is conferred by the Rector.

Article 13

Publication of the doctoral thesis

A copy of the doctoral thesis, as laid down by art. 33 of the University Regulation of Doctoral Research will be deposited by the competent University authorities in the ministerial database and sent to the central libraries of Rome and Florence.

Article 14

Treatment of personal data

In accordance with the Legislative Decree of 30/06/2003 no. 196, the data provided will be treated in manual, paper and computerized form, according to the provisions laid down relating to the procedure for which they are required and will be utilized to that end to carry out the duties of a compulsory nature required by the University of Foggia.

The data may be communicated to the Ministry of Education and Research to fulfil national anagraphical requirements and for periodical obligatory statistical purposes. The data may also be communicated to other public bodies for statistical purposes.

The bearer of the treatment of personal data is the Università degli Studi di Foggia – Via Gramsci n.89-91-71122 Foggia.

Article 15

Head of Proceedings

Under Law no. 241, 07/08/1990 and subsequent amendments and additions to the same, the Head of Proceedings is Dr. Tommaso Vasco - Head of 'Area Didattica e Alta Formazione'. For further information and clarifications please can contact 'Area Didattica e Alta Formazione - Servizio Alta Formazione' of the University of Foggia, tel. +39 0881 338380 – 318 (12.30-1.30 pm), e-mail: altaformazione@unifg.it .

Article 16

Final provisions

The call, also written in English, will be published on the electronic notice-board of the University of Foggia, on the University website (www.unifg.it), on the MIUR website (bandi.miur.it) and on the EU website (<http://ec.europa.eu/euraxess>). The notice of publication of this call will be forwarded to the Ministry of Justice for publication in the Official Gazette of the Italian Republic - IV Special Series "Public Selections and Examinations".

Article 17

Regulatory references

Anything regarding the Ph.D programmes which is not expressly indicated in the present notification will be dealt with according to University of Foggia regulations.

Foggia,

The Rector

Prof. Maurizio Ricci

DECLARATION SUBSTITUTE FOR ACT OF NOTARY
(Art. 47 – D.P.R. 28.12.2000, n.445)

The undersigned (surname).....(name).....,
born in (province)
on the, fiscal code,
resident in (province),
address,
telephone.....,mobile.....,e-mail address.....,
aware of the provisions laid down in art. 76 of law no. 445 of 28 December 2000 on criminal liability
in case of false declaration,

DECLARES

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.....

The undersigned expresses his/her consent to the processing of the data provided in this
Declaration, in compliance with Legislative Decree no. 196, for the requirements related to the
public selection for the PhD in which he/she has applied.

Place and date,

Signed

.....

N.B. If the above statement is sent by mail, a copy of an identity document must be attached.

DECLARATION MADE BY THE CANDIDATE CONCERNING THE ABSENCE OF ANY OBSTACLE TO SETTING UP A FORMAL RELATIONSHIP IN THE CASE OF A POSITIVE OUTCOME OF THE EXAMINATION

The undersigned _____ born on _____ in _____, candidate for admission to the doctoral research course in _____

at this University for the duration of 3 years, aware of the provisions laid down in art. 76 of law no. 445 of 28 December 2000 on criminal liability in case of false declaration,

DECLARES

that he/she has no relation or affinity, up to the fourth degree (inclusive), and does not live with any professor or researcher belonging to the competent body that called for this competitive examination, namely the Rector, Head of Administration or member of the Board of Governors of the University of Foggia

The undersigned, aware of the criminal sanctions in case of false declaration as laid down by art. 46 of law no. 445 of 28.12.2000, declares under his/her own responsibility

that the information provided above is complete and true.

The undersigned consents to the personal data provided here being used in accordance with decree no. 196 of 30.06.2003.

Foggia, _____ (date)

Signed _____

The following documents could be transcribed in the facsimile of the act of notary:

Copy of the following publication:

composed of no. _____ pages, conforming to the original.

Copy of the following qualification or document:

composed of no. _____ pages, conforming to the original.

For a publication:

title

journal _____

name, surname or denomination _____

Name of the Ph.D Course	<u>CULTURE, EDUCATION, COMMUNICATION</u>
Cycle	33
Estimated date of the beginning of course	01/10/2017
Duration of course	3 YEARS
Department	Department of Humanities. Literature, Cultural Heritage, Education Sciences
Coordinator of the course	Prof. Francesco Mattei – P.O. M-PED/01 – University of Roma Tre
Number of places	<p>8</p> <p>6 with grants (3 funded by the University and 3 with grants funded by the University of Roma Tre) of which 1 grant will be reserved for graduates from a foreign university;</p> <p>The single place reserved for foreign candidates will be subject to a separate ranking. If the place remains unfilled at the conclusion of the selection proceedings, it will be added to the places included in the general ranking.</p> <p>2 without grants.</p>
Curricula	<p>YES</p> <p>1. Educational communication;</p> <p>2. Lifelong Learning</p> <p>Candidates will have to indicate for which curricula they are applying.</p>

Admission requirements

<u>Specialist or Master's degrees</u>	Any 'Magistrale' (specialist or Master's) degree, or any old-style 4-year degree (in accordance with Ministerial decree no. 509/99), or any equivalent qualification will be considered.
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Selection procedure

Selection procedure

- Written exams
- Interview
- English Language proficiency test

For foreign candidates:

Selection procedure

- Qualifications
- Interview
- Research project

Foreign applicants participating in the place reserved for them, shall not have to take a written test but will be assessed based on their qualifications (including the Research Project) and the interview as per the requirements for candidates of other PhD programmes

Admission tests

The timetable for the tests will be published at least 20 days before the date of the exams on the university's website (www.unifg.it).

Description and objectives of the course

The course has two different curricula: Comunicazione educativa (Educational Communication) and Apprendimento permanente (Lifelong Learning). Both comprise complementary and integrated research areas: on the one hand, the research on Education and Training (and hence Culture) and on the other hand Communication and Teaching Technologies.

The first area is more oriented to the identification, analysis and experimentation of (theoretical and empirical) models of educational governance with respect to the plurality of training times and the multiplicity of intervention areas in the perspective of lifelong-lifewide learning. The second area concentrates on innovative teaching processes, on the dynamics of e-learning contexts and on the design of multimedia learning interactions and learning objects.

The PhD is based on two fundamental categories: interdisciplinarity and internationalization.

Course Objectives:

- to provide high-quality training, through the scientific and didactic experience of several university establishments; .
- promote the acquisition of cross-disciplinary skills;
- create an international network of future researchers and encourage the establishment of partnerships for project submission.

The course promotes co-tutorial thesis, meaning that doctoral students should spend at least six months at foreign universities. The qualification will be recognized in both countries.

APPENDIX B

Name of the Ph.D Course	MANAGEMENT OF INNOVATION IN THE AGRICULTURAL AND FOOD SYSTEM OF THE MEDITERRANEAN REGION
Cycle	33
Estimated date of the beginning of course	01/10/2017
Duration of course	3 YEARS
Department	DEPARTMENT OF SCIENCE OF AGRICULTURE, FOOD AND ENVIRONMENT
Coordinator of the course	Prof. Giancarlo Colelli – P.O. AGR/09 – University of Foggia
Number of places	5 3 with a grant (University scholarship of which 1 will be awarded to a graduate from a foreign university); The single place reserved for foreign candidates will be subject to a separate ranking. If the place remains unfilled at the conclusion of the selection proceedings, it will be added to the places included in the general ranking. 1 with a grant (ABL S.p.A scholarship) for a thesis on “Effects of the peeling and cutting machinery on quality and shelf-life of fresh-cut fruits” 1 without a grant;
Ph.D in cooperation with companies / industrial Ph.D (art. 11 of the Regulation):	YES
Curricula	YES 1. Enhancing quality and increasing value of the production of the Mediterranean Area 2. Process innovation and technology transfer

Admission requirements

Specialist or Master’s degrees	Biology Agricultural Biotechnology Industrial Biotechnology Business Studies Economic Studies Agricultural Science and Technology Environmental Science and Technology Food Science and Technology Chemical Engineering Automation Engineering
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	Management Engineering Computer Engineering Nutritional Science Medical, Veterinary and Pharmaceutical Biotechnology Zootecnics and Animal Technology Veterinary Medicine Chemistry Corresponding Specialist (Master's) Degrees
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Selection procedure

Selection procedure

- ✓ Qualifications
- ✓ Interview
- ✓ Knowledge of languages
- ✓ Research project

For foreign candidates:

- ✓ Qualifications
- ✓ Interview
- ✓ Research project

Admission tests

The timetable for the tests will be published at least 20 days before the date of the exams on the university's website (www.unifg.it).

Objectives

The main objective of the Ph.D programme is to increase the knowledge in the agricultural and food system of the Mediterranean Region, following the whole chain from the production, to processing and technology transfer, considering quality, through an innovative point of view.

The program allows to continue and deepen the studies related to the degree program in Agricultural and Food Sciences, with special attention to engineering aspects.

The specific objectives of the Ph.D programme are consistent with each curriculum and meet the goals of the European research programme Horizon 2020, covering the following targets:

improving the quality of the Mediterranean Area productions;

improving the production stability of the Mediterranean Area under stress conditions, through the proper management of resources and productive process;

valorization of animal and plant products of the Mediterranean Area, through the characterization of their nutritional quality;

maintaining the post-harvest quality of fruits and vegetables;

developing of new formulations, processing and innovative packaging techniques, which enable a wider diffusion of the Mediterranean products;

studying the feasibility of transfer new technology to the industry;

In addition, general objectives of the Ph.D programme are research training and projects management, including scouting funding.

Possible research activities

	<i>Scientific sector</i>	<i>Research topic</i>
<i>Enhancing quality and increasing value of the production in the Mediterranean Area</i>	<i>AGR/19</i>	<i>Management strategies to improve and optimize animal products</i>
<i>Enhancing quality and increasing value of the production in the Mediterranean Area</i>	<i>AGR/04</i>	<i>Enhancing quality of horticultural productions</i>
<i>Enhancing quality and increasing value of the production in the Mediterranean Area</i>	<i>AGR02</i>	<i>Improving water use and nitrogen inputs for herbaceous productions in the Mediterranean Area</i> <i>Effect of abiotic stress on proteci composition of gluten evaluated with proteomic approach</i>
<i>Enhancing quality and increasing value of the production in the Mediterranean Area</i>	<i>VET/06</i>	<i>Food-borne parasites: advanced diagnostic approaches for their detection and viability evaluation, along the food chain.</i>
<i>Enhancing quality and increasing value of the production in the Mediterranean Area</i>	<i>BIO/04</i>	<i>Antioxidant and biological activity of food Phytochemicals</i> <i>Environmental/oxidative stresses in cultivated plants</i>
<i>Enhancing quality and increasing value of the production in the Mediterranean Area</i>	<i>VET/04</i>	<i>Antimicrobial resistance and food safety</i>

Process innovation and technology transfer	AGR09	<i>Innovative technique for postharvest storage and quality evaluation of horticultural produce</i> <i>Process and product innovation for fresh-cut produce</i>
Process innovation and technology transfer	AGR01	<i>Food Innovation Marketing</i> <i>Management of Environmental Resources</i>
Process innovation and technology transfer	AGR15	<i>Proteomic approach for food of animal and vegetal origin</i> <i>Food innovative process.</i> <i>Emerging Processes: 3D Printing and Robotics in the Food Industry (Industry 4.0)</i>

Job and career opportunities

The PhD graduate will be an innovative professional figure, with specific skills in the agricultural and food system of the Mediterranean area, able to manage the needs and economic trends of this region.

The PhD graduate may cover major positions in the industry production, R&D, marketing, and international trade in goods and services.

In relation to the different areas, the Ph. doctor may work for public Institutions (R&D, technology transfer and funding scouting in Universities, Research Centers, Public Administrations), private companies (logistics and transportation for food industry, international trade in goods and services, R&D) or nonprofit organizations (plan for sustainable development in different geographic areas, non-governmental organizations, etc.).

Curriculum related to the Ph.D programme

Curriculum 1: Valorization of the productions of the Mediterranean Region

Scientific-disciplinary sector	Examination section	CUN-VQR Disciplines	% of each SSD in the scientific project of the course
AGR/19	07/G – ANIMAL SCIENCES AND TECHNOLOGIES	07 – Agricultural and Veterinary Science	% 35,71
AGR/02	07/B – AGRICULTURAL AND FOREST CULTURAL SYSTEMS	07 - Agricultural and Veterinary Science	% 21,43
VET/06	07/H – VETERINARY MEDICINE	07 - Agricultural and Veterinary Science	% 7,14

Scientific-disciplinary sector	Examination section	CUN-VQR Disciplines	% of each SSD in the scientific project of the course
AGR/04	07/B - AGRICULTURAL AND FOREST CULTURAL SYSTEMS	07 - Agricultural and Veterinary Science	% 14,30
VET/04	07/H - VETERINARY MEDICINE	07 - Agricultural and Veterinary Science	% 7,14
BIO/04	05/A – PLANT BIOLOGY	05 – Biological Sciences	% 7,14
BIO/09	05/D - PHYSIOLOGY	05 – Biological Sciences	% 7,14
Curriculum in collaboration with:	a) Companies		
TOTAL			100

Curriculum 2: Innovation of transformation and technological transfer processes

Scientific-disciplinary sector	Examination section	CUN-VQR Disciplines	% of each SSD in the scientific project of the course
<i>AGR/09</i>	<i>07/C - AGRICULTURAL, FOREST AND BIOSYSTEMS ENGINEERING</i>	07 - Agricultural and Veterinary Science	<i>% 40,00</i>
<i>AGR/01</i>	<i>07/A – AGRICULTURAL ECONOMICS AND RURAL APPRAISAL</i>	07 - Agricultural and Veterinary Science	<i>% 30,00</i>
<i>AGR/15</i>	<i>07/F – FOOD SCIENCE AND TECHNOLOGY</i>	07 - Agricultural and Veterinary Science	<i>% 30,00</i>

Scientific-disciplinary sector	Examination section	CUN-VQR Disciplines	% of each SSD in the scientific project of the course
Curriculum in collaboration with:	a) <i>Companies</i> b) <i>Universities abroad</i>		
<i>TOTAL</i>			100

Disciplinary and interdisciplinary teaching

Specific teaching of the programme	Tot CFU: 28	total teaching subjects: 6	total teaching with final exam: 6
Teaching from Master's degrees courses	YES	total teaching subjects: 2	total teaching with final exam: 2
Teaching from First level degrees courses	NO		
Seminars	YES		
Academic training of doctoral students	YES	ABROAD with Partner Institutions ABROAD without Partner Institutions	Average time expected (months): 6

Training activity description

Type	Synthetic description
Language lessons	<i>The language training activities are common to all doctoral courses of the University of Foggia, and are carried out by teachers of the Language Center (CLA). The course aim (8 credits) is to prepare its participants for reaching the B2 level and the B1 level for participants that have a better basic knowledge. The course is divided into reading and writing sections, listening and speaking. The reading in particular will focus on scientific articles, in order to teaching the specific terminology and syntax for writing scientific papers.</i>
Computer lessons	<i>The computer lessons will cover the use of Office, including Excel and Power Point for the elaboration and the presentation of data results in scientific reports. In addition the course will cover programming and the use of statistical software.</i>
Research management, knowledge of the research system and funding agreement	<i>The course (5 CFUs) will be held by AGR01 teachers in collaboration with DARE, engaged in technology transfer activities. The teaching activity will comprise of seminars oriented to the use of virtual libraries, drawing up a research project, professional communication, and financing systems. Learning outcomes will be the knowledge of the main regional, national and European calls and the ability to write a scientific project.</i>
Boosting research results and intellectual properties rights	<i>The course (4CFU) will be held by college teachers, and university and DARE experts, engaged in activities related to the enhancement of research results and intellectual property. The didactic activity will be organized in seminars with practical examples of patentability and spin-off creation. Learning outcomes will cover knowledge of patent law and spin-offs, and the role of university within the scope of the third mission.</i>

APPENDIX C

Name of the Ph.D Course	TRANSLATIONAL MEDICINE AND FOOD: INNOVATION, SAFETY AND MANAGEMENT
Cycle	33
Estimated date of the beginning of course	01/10/2017
Duration of course	3 ANNI
Department	<i>Department of Clinical and Experimental Medicine</i>
Coordinator of the course	Prof. Alessandro Matteo Del Nobile – P.O. AGR/15 University of Foggia
Number of places	9 6 with university funded grants (University scholarship of which 3 will be awarded to a graduate from a foreign university); The places reserved for foreign candidates will be subject to a separate ranking. If the places remain unfilled at the conclusion of the selection proceedings, they will be added to the places included in the general ranking. 1 with a scholarship funded by Bristol-Myers Squibb S.r.l., subject to the Convention / Agreement and the actual accreditation of the funds necessary for its financial coverage. For this grant, the research project, necessary for admission to the PhD, will have to cover the following topic: "Bone Pathophysiology in Autoimmune Inflammatory Diseases" as indicated in the call for proposals. 2 without grants.

Admission requirements

Specialist or Master's degrees	LM56 – Economic Studies LM77 – Business Studies LM06 – Biology LM07 – Agricultural Biotechnology LM09 – Medical, Veterinary and Pharmaceutical Biotechnology LM54 – Chemistry LM69 – Agricultural Science and Technology
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	<p>LM70 – Food Science and Technology</p> <p>LM41 – Medicine</p> <p>LM46 – Dentistry</p> <p>LM13 – Pharmacy and Industrial Pharmacy</p> <p>LM17 – Physics</p> <p>LM18 – Computer Science</p> <p>LM61 – Human Nutritional Science</p> <p>Corresponding Specialist (Master’s) Degrees or corresponding old-style 4-year degrees (in accordance with Ministerial Decree no. 509/99) or corresponding equivalent qualifications will also be considered</p>
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Selection procedure

Selection procedure

Qualifications

Interview

Knowledge of languages

Research project

Admission tests

The timetable for the tests will be published at least 20 days before the date of the exams on the university’s website (www.unifg.it).

Course description and objectives

*The CdDR arises from the interaction of 4 Departments of the University of Foggia (Economics - Agricultural Sciences, Food and Environment - Clinical and Experimental Medicine - Medical and Surgical Sciences) with the CNR (ISPA of Bari, ISAFOM of Catania, ISA of Avellino). The course adopts a multidisciplinary approach that aims to train researchers with a strong expertise, able to develop proper research projects within the food innovation and their impact on human health. The CDDR is divided into the following areas of learning: **Food biotechnology**. Analysis of the technological and material issues linked to the development of innovative strategies for production and processing to support food quality, functionality and typical food products.*

***Food and health**. Analysis of the nutritional aspects of innovative food, health-related economic aspects of technological innovations, biological and clinical research of both pathogenic and therapeutic aspects, methodological and operational aspects in the integration between food and nutrition safety.*

***Economics of the agro-industrial system**. Analysis of innovative processes in line with new consumer preferences; analysis of the food system, of firms system, of relationship between food health and market, of food quality and safety policies.*

Career and professional opportunities provided

Doctoral student will acquire skills to perform the function of Innovation Broker within service centers and incubators for innovation transfer and to be an active member of the food industry, covering various roles including the management of quality and safety business, the bio-technological and bio-clinical research, the applied research in the field of life-course prevention regarding nutrition, process and/or product development, the relationship between health and emerging technologies for the processing and packaging of food and management strategies to meet the challenges of the market and to develop and organize procedures and tools necessary to understand consumer behavior, food losses and food waste. The outlets provided are numerous, at the incubator of Cerignola, the Service Center Dat of Foggia (in collaboration with CNR) and at several food companies and trade associations (Granarolo, Innovagritech, Confindustria, District agribusiness Metaponto). The educational profile will be spent not only on a regional/national but also international (eg. Leatherhead Food Research, Teagasc Food Research Center; Reading Scientific Services Ltd) being the provision of training in line with the expectations of territorial development and the needs cultural growth/professional in the food sector as well as to the issues identified in Horizon 2020.

Disciplinary and interdisciplinary teaching activities

Ad hoc training provided in the training curriculum	Tot CFU: 30	Teaching no.: 11	Final examinations: 11
Lessons taught by master degree programs	YES	no: 1	Final examinations: 1
Lessons taught by degree courses (first level)	NO		
Seminar cycles	SI		
Research locations	YES	<p>ITALY- outside the institutions involved</p> <p>ESTERO within the institutions involved</p> <p>FOREIGN - outside the institutions involved</p>	Average expected period (in months per student): 6

Training activity description

Type	Synthetic description
Language lessons	<i>Course 4 CFU. The course is aimed at the acquisition of the ability to present and write a scientific report in English. The objective is therefore to form highly qualified researchers worldwide who are able to interact and relate with the academic Italian and foreign.</i>
Computer lessons	<i>Course 4 CFU. The course is aimed at the acquisition of the ability to set up an experimental design, perform data analysis and interpret the results of descriptive statistics, inferential and multivariate econometric models and mathematical.</i>
Research management, knowledge of the research system and funding agreement	<i>Course 4 CFU. From writing a request, its evaluation and possible funding. In particular, will be acquired capacity planning of activities (research and development division in WP and Task, identification of deliverables and milestones) and resource planning (methods of distribution of tasks according to the resources, the means for the acquisition skills and external resources, resource balancing of the project).</i>
Boosting research results and intellectual properties rights	<i>Course 4 CFU. Will be acquired knowledge to the exploitation of research results through the protection of intellectual property (patents) and the establishment of business activities, as well as the exploitation of research results through the network of technology transfer offices and collaboration with the economic system and industry, institutions, industry associations, venture capitalists and finance.</i>