



UNIVERSITÀ DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale
Sezione Ricerca e Dottorati
Ripartizione Dottorati

LAST REVISED 22 gennaio 2014

DOCTORAL PROGRAMME IN ENVIRONMENTAL LIFE SCIENCES

NOTE: This attachment provides only partial information. Exhaustive information, including how to register for the selection, is published in the Admission Announcement posted in the web page <http://www2.units.it/dottorati/> >> Admission Announcement.

Deadline for online application

6th February 2014 h.11:30 a.m. CET

GENERAL DESCRIPTION

SUBJECT AREA:

- main area: 05
- other areas: 07; 04; 13; 03

MACRO RESEARCH FIELDS:

- main area: 05/C
- other areas: 05/A; 05/B; 05/I; 07/E; 07/C; 07/A

SCIENTIFIC DISCIPLINARY SECTOR:

- main area: BIO/07
- other areas: BIO/01; BIO/02; BIO/03; BIO/04; BIO/05; BIO/18; BIO/15; AGR/01; AGR/02; AGR/08; AGR/10; AGR/13; AGR/19

DOMAIN EUROPEAN RESEARCH COUNCIL:

- LS

ERC PANELS:

- main area: LS8
- other areas: LS4; LS6; LS7; LS2; LS9; PE10; SH3

Information on the codes can be found online at the address: <http://www.units.it> >> Research >> Doctorates >> Admission >> Admission Announcement and relative attachments - Board of Examiners - Eligible Candidates/Merit list>> Research codes

RESEARCH FIELDS:

1. Ecology and Biodiversity
2. Plant and animal Biology
3. Environmental Toxicology and Genetics
4. Environmental impact of agricultural and feedstock systems
5. Mountain and forestry systems, climatology, hydrology and climate change
6. Soil conservation and bioremediation
7. Land sustainability of economic and energetic systems in agriculture

LOCATION: Trieste

- ORGANIZING DEPARTMENT: Dip. di Scienze della Vita

PARTNER UNIVERSITIES: Università di Udine

Legge 241/1990 - Responsabile del procedimento: Elena Ferraro

Università degli Studi di Trieste
Piazzale Europa, 1
I - 34127 Trieste

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- Dipartimento di Scienze Agrarie ed Ambientali

NON-ACCREDITED PARTICIPATING INSTITUTIONS:

- Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS)
- National Institute of Biology (NIB, Piran, SLO)
- Istituto Zooprofilattico Sperimentale delle Venezie

DURATION: 3 anni

MAXIMUM NUMBER OF MONTHS TO BE SPENT ABROAD IN THREE YEARS: min 2 - max 18

OFFICIAL LANGUAGE: Italian

FINAL QUALIFICATION AWARDED: Joint Degree

ADMISSION INFORMATION

TOTAL NUMBER OF PLACES AVAILABLE:	3
- RESERVED PLACES	3
- [cod R/2] scholarships funded by foreign Countries	2
- [cod R/3] scholarships funded by international mobility programmes	1

PLACES WITH JOINT SUPERVISION OF THESIS: students from foreign universities may be admitted to the Ph.D. programme with a joint supervision of their thesis

ACADEMIC QUALIFICATION REQUIRED:

1.1. Italian Master's Degree "Laurea Specialistica/Magistrale" in one of the following fields:

- 6/S in BIOLOGIA
- 7/S in BIOTECNOLOGIE AGRARIE
- 68/S in SCIENZE DELLA NATURA
- 77/S in SCIENZE E TECNOLOGIE AGRARIE
- 85/S in SCIENZE GEOFISICHE
- 79/S in SCIENZE E TECNOLOGIE AGROZOOTECNICHE
- 82/S in SCIENZE E TECNOLOGIE PER L'AMBIENTE E IL TERRITORIO
- 83/S in SCIENZE E CONOMICHE PER L'AMBIENTE E LA CULTURA
- 86/S in SCIENZE GEOLOGICHE
- 38/S in INGEGNERIA PER L'AMBIENTE E IL TERRITORIO
- LM-6 BIOLOGIA
- LM-7 BIOTECNOLOGIE AGRARIE
- LM-60 SCIENZE DELLA NATURA
- LM-79 SCIENZE GEOFISICHE
- LM-80 SCIENZE GEOGRAFICHE
- LM-76 SCIENZE ECONOMICHE PER L'AMBIENTE E LA CULTURA
- LM-75 SCIENZE E TECNOLOGIE PER L'AMBIENTE E IL TERRITORIO
- LM-73 SCIENZE E TECNOLOGIE FORESTALI ED AMBIENTALI
- LM-69 SCIENZE
E TECNOLOGIE AGRARIE
- LM-70 SCIENZE E TECNOLOGIE ALIMENTARI

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1.2. Degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 Novembre 1999, updated with D.M. n. 270 of 22 October 2004, n. 270, (or a qualification corresponding to a Master's -second level- degree), in one of the following fields:

SCIENZE FORESTALI ED AMBIENTALI
SCIENZE GEOLOGICHE
SCIENZE AGRARIE
SCIENZE BIOLOGICHE
BIOTECNOLOGIE AGRARIE-VEGETALI
SCIENZE AMBIENTALI
SCIENZE NATURALI

2. an equivalent foreign academic qualification awarded abroad

3. an academic qualification awarded abroad which is considered to be equivalent to the Italian degree that allows the holder to undertake Ph.D. studies for duration, level and area of study

DEADLINE FOR COMPLETION OF DEGREE: 31.12.2013

ASSESSMENT CRITERIA: qualifications + oral interview

- **MAXIMUM FINAL SCORE** (the final score is based on the sum total of marks obtained in the interview plus the points given for qualifications and publications - upon request from the candidate, the interview may be carried out through videoconference – art. 6.1 bis of Announcement):.....100/100
- **MINIMUM FINAL SCORE REQUIRED:**.....70/100
- **MAXIMUM NUMBER OF POINTS AWARDED FOR QUALIFICATIONS+PUBLICATIONS:** 40/40
- **WEIGHTING OF THE QUALIFICATIONS:**
 - "Integration to application" (unless this form is presented, qualifications and publications CANNOT be assessed by the Examining Board):
 - a. a detailed curriculum vitae et studiorum: 25/40
 - b. full copy or abstract of the MA thesis in Italian or English (Italian MA theses may be from "Laurea vecchio ordinamento" or "Laurea specialistica/magistrale"):
15/40

MINIMUM SCORE REQUIRED FOR QUALIFICATIONS/PUBLICATIONS25/40

- **ORAL EXAMINATION MARK OUT OF:**60/60

MINIMUM SCORE REQUIRED FOR INTERVIEW:.....45/60

DEADLINE FOR SUBMITTING QUALIFICATIONS AND PUBLICATIONS: 7.02.2014

QUALIFICATIONS AND PUBLICATIONS MAY BE SUBMITTED (art. 5.1.4 of the Ph.D. Announcement):

- as an attachment to the online admission application (upload)
- only for publications that are voluminous or not available in electronic format, as long as they are listed in the form "Integration to application" (digital format preferable):
 - by mail to Dott. Giulianini, Segretario Dottorato Ambiente e Vita, Via Licio Giorgieri, 5 - 34127 Trieste

Or

- by hand to Portineria Building Q, Via Licio Giorgieri, 5 34127 Trieste

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EXAMINATION SCHEDULE:

- INTERVIEW: **11.02.2014 at 09.30 a.m. (Italian time)** at Università degli Studi di Trieste – Dipartimento di Scienze della Vita - Building Q – Aula seminari – 1° Floor – Via L. Giorgieri, 5 – TRIESTE
Upon request from the candidate, the interview may be carried out through videoconference, with the same schedule, within 1 p.m.

ALTERNATIVE LANGUAGE TO ITALIAN FOR THE INTERVIEW: english (CEFR LEVEL B2), Italian for foreigners (CEFR LEVEL B1)

CONTACT INFORMATION

CHAIR: Prof.ssa Serena FONDA UMANI - Dipartimento di Scienze della Vita - Via Giorgieri, 10 - Università degli Studi di Trieste - tel. 040558.8829/2937 fax 040.558 2011 email s.fonda@units.it

WEB SITE: <http://www2.units.it/biomonitor/>

EDUCATIONAL AIMS: This PhD program, resulting from the union of the PhDs in Environmental Biology (University of Trieste) and in Agro-environmental sciences (University of Udine) aims to train highly qualified personnel capable of analytically managing the implementation of national or European Union guidelines regarding the environmental analysis, deepen the methodological aspects related to these issues, and to independently design and carry out environmental monitoring researches as part of a multidisciplinary view of the topics covered by the PhD program. It is structured to increasingly focus the scientific training of the students from the general and theoretical to the experimental aspects.

The name of the doctorate is distinctive and closely linked to the most recent research topics of the members of the teacher's council. They are linked to the study of earth systems and applied life sciences described in the following ERC areas:

- Climatology and climate change (PE10_3); Terrestrial ecology, land cover change (PE10_4); Biogeochemistry, biogeochemical cycles, environmental chemistry (PE10_9); Sedimentology, soil science, palaeontology, earth evolution (PE10_12); Earth observations from space/remote sensing (PE10_14); Hydrology, water and soil pollution (PE10_17);
- Ecology (theoretical, community, population, microbial, evolutionary ecology (LS8_1); Biodiversity, comparative biology (LS8_4); Systems evolution, biological adaptation, phylogenetics, systematics (LS8_3), Biogeography (LS8_6), Conservation biology, ecology, genetics (LS8_5); Animal behaviour (behavioural ecology, animal communication) (LS8_7); Environmental and marine biology (LS8_8); Environmental toxicology (LS8_9), Prokaryotic biology (LS8_10). Agriculture related to animal husbandry, dairying, livestock raising (LS9_3); Aquaculture, fisheries (LS9_4); Agriculture related to crop production, soil biology and cultivation, applied plant biology (LS9_5),

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Genetics, Population biology, population dynamics, population genetics, plant-animal interactions (LS2/LS8_2), Genomics, transcriptomics, comparative genomics, functional genomics (LS2).

- Environment, resources and sustainability (SH3_1) Social and industrial ecology (SH3_4); Geo-information and spatial data analysis (SH3_12); Spatial development, land use, regional planning (SH3_9).

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