



**DOCTORAL COURSE IN  
GEOSCIENCES**

**GENERAL DESCRIPTION**

SUBJECT AREAS:

- main area: GEO/11
- other areas: GEO/10; GEO/11; GEO/12; GEO/01; GEO/02; GEO/03; GEO/06; GEO/07; GEO/08; GEO/09; GEO/04; GEO/05

RESEARCH FIELDS:

1. Evolution of the crust-mantle system: geophysics, mineralogy, petrology and geochemistry
2. Environmental geochemistry, palaeo-climatology
3. Geodesy and crustal movements in seismic and volcanic areas
4. Exploration Geophysics
5. Applied geology
6. Structural geology and stratigraphy, georesources
7. Morphodynamics of modern environments, Quaternary geology, geo-archaeology
8. Seismology, volcanology, natural hazards and physicalchemical properties of the lithosphere-asthenosphere system

ORGANIZING DEPARTMENT: Dipartimento di Geoscienze

OTHER PARTICIPATING INSTITUTIONS (Italian): INOGS - Istituto Nazionale di Oceanografia e di Geofisica Sperimentale

DURATION: 3 years

MAXIMUM NUMBER OF MONTHS TO BE SPENT ABROAD: 6

OFFICIAL LANGUAGE OF THE SCHOOL: English

**ADMISSION INFORMATION AND REQUIREMENTS**

NUMBER OF PLACES AVAILABLE: .....2

- SCHOLARSHIPS: ..... 1

FUNDING BODY/IES:

- <sup>[cod D/3]</sup> Dip di Geoscienze funded by Ergolines Lab srl (Project title: "Implementation and test of high-resolution non-destructive survey systems based on Rayleigh waves")..... 1

Candidates who accept an earmarked scholarship are committed to the pre-assigned topic

ACADEMIC QUALIFICATION REQUIRED: see Announcement (art. 1.1 - Requirements)

DEADLINE FOR COMPLETION OF DEGREE: ..... 12.03.2012

ASSESSMENT CRITERIA: qualifications

- FINAL SCORE: ..... 100

FINAL SCORE (MINIMUM REQUIRED): ..... 60/100

- SCORE ATTRIBUTED TO THE QUALIFICATIONS: ..... 100

QUALIFICATIONS REQUIRED (RELATIVE WEIGHT):

- Art. 11 Rules for Doctorates: all candidates are required to present the following documents, regardless of whether or not a score is assigned to them (see below):

a. a detailed curriculum vitae et studiorum: 20/100

b. a copy of the Master's degree thesis: 30/100

For students with a degree awarded by a non-Italian University, an abstract of the thesis in English or Italian is sufficient.

as well as:

1. Research programme: 20/100

2. other academic titles: 10/100

3. publications: 10/100

Università degli Studi di Trieste

Piazzale Europa, 1

I-34127 Trieste

Tel. +39 040 558 3182

Fax +39 040 558 3250

[dottorati@amm.units.it](mailto:dottorati@amm.units.it)

[www.units.it](http://www.units.it)



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE

**Sezione Ricerca e Dottorati**

**Ripartizione Dottorati**

4. a maximum of three reference letters (contacts, titles and addresses have to be clearly stated): 10/100  
- Qualification Evaluation Form (unless this form is presented, qualifications and publications CANNOT be assessed by the Examining Board)

MINIMUM SCORE REQUIRED FOR THE QUALIFICATIONS:..... 60/100

DEADLINE FOR RECEIVING CERTIFICATES/ PUBLICATIONS:..... **by 20.03.2012 midnight CET**

ADDRESSES TO WHICH CERTIFICATES SHOULD BE SENT: email to [pipan@units.it](mailto:pipan@units.it)

CEFR LEVEL: B2

**CONTACT INFORMATION**

CHAIR: Prof. Michele Pipan - Dipartimento di Geoscienze- Università degli Studi di Trieste – tel. 040558.2277; fax 040558.2290  
e-mail [pipan@univ.trieste.it](mailto:pipan@univ.trieste.it)

VICE: Prof. Francesco Fanucci - Dipartimento di Geoscienze - Università degli Studi di Trieste - tel. tel. 040558.2039; fax 040558.2290 e-mail [Fanucci@univ.trieste.it](mailto:Fanucci@univ.trieste.it)

WEB SITE: <http://www.geoscienze.units.it>

**EDUCATIONAL AIMS AND RESEARCH TOPICS:** The main objective of the doctorate is to provide an advanced training in the field of Earth Sciences, both in the fundamental/theoretical sectors and in the applied . Training and research activities will focus on the following main topics:

- 1) Exploration geophysics
- 2) Structural and stratigraphic geology, georesources
- 3) Seismology, vulcanology, natural risks and physical-chemical properties of the lithosphere and asthenosphere
- 4) Geodesy and crustal movements
- 5) Evolution (geophysics, petrology, mineralogy and geochemistry) of the crust-mantle system
- 6) Morphodynamics of the modern environments, Quaternary geology, geo-archaeology
- 7) Applied geology
- 8) Environmental geochemistry, palaeoclimatology

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