

**DOCTORAL COURSE IN
SCIENZE AMBIENTALI (AMBIENTE FISICO, MARINO E COSTIERO)**

GENERAL DESCRIPTION

SUBJECT AREAS:

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

FIELDS OF RESEARCH:

1. Resources, management and evolution of the continental shelf
2. Tectonics and evolution of continental margins
3. Environmental and dynamics of ponds, lagoons, river mouths and shores
4. Transport and dispersion of pollutants in coastal environments
5. Acquisition and processing of geophysical data in marine environmental

ORGANIZING DEPARTMENT: Dip. di Scienze geologiche ambientali e marine

PROGRAMME LENGTH IN YEARS: 3

MAXIMUM PERIOD OF STUDY ABROAD IN MONTHS: 18

OFFICIAL LANGUAGE OF THE SCHOOL: Italian

ADMISSION INFORMATION AND REQUIREMENTS

PLACES AVAILABLE: 4

SCHOLARSHIPS: 2

FUNDING BODIES:

- Università degli Studi di Trieste 1
- Dip. di Scienze geologiche, ambientali e marine su fondi Regione FVG e altra impresa finanziatrice 1

PLEASE NOTE: this scholarship ensures additional funds for maximum 2 months for period of study abroad.

NON-FUNDED PLACES

- research grant-holders: 1
- non-EU citizens resident abroad 1
- non-EU citizens resident abroad with the Italian Ministry of Foreign Affairs authorization permitted to sit the entrance examination in the country of origin 1
- non-EU citizens resident abroad with the Italian Ministry of Foreign Affairs authorization required to sit the entrance examination in Trieste 1

ACADEMIC QUALIFICATION REQUIRED: see Announcement (art. 1-Requirements)

DEADLINE FOR COMPLETION OF DEGREE BEFORE APPLICATION: 30.11.2009

ADMISSION REQUIREMENTS:

qualifications + written examination + oral interview.

FINAL SCORE: the final score is obtained by combining the scores of the written and oral part of the examination and of the score attributed to the qualifications: 140/140

FINAL SCORE (MINIMUM REQUIRED): 84/140

SCORE ATTRIBUTED TO THE QUALIFICATIONS: 20/20

QUALIFICATIONS REQUIRED (RELATIVE WEIGHT):

Art. 11 University Rules for Doctorates:

- a. a detailed curriculum vitae et studiorum;
- b. a copy of the master's degree thesis or an abstract in English or in Italian: from 0 to 5
A detailed research proposal may be required.

as well as

1. degree score: from 0 to 4
2. scholarships or study grants, and relevant research activities: from 0 to 3
3. master's degree: from 0 to 3
4. publications on Italian or international journals: from 0 to 5

MINIMUM SCORE REQUIRED FOR THE QUALIFICATIONS: no

WRITTEN EXAMINATION SCORE (EXPRESSED AS A PERCENTAGE): 60/60

MINIMUM SCORE REQUIRED FOR THE WRITTEN EXAMINATION : 42/60

ORAL INTERVIEW SCORE (EXPRESSED AS A PERCENTAGE): 60/60

MINIMUM SCORE REQUIRED FOR THE ORAL INTERVIEW: 42/60

DEADLINE FOR RECEIVING CERTIFICATES / PUBLICATIONS: 30.11.2009

ADDRESS TO WHICH CERTIFICATES / PUBLICATIONS SHOULD BE SENT: DISGAM.

EXAMINATION SCHEDULE:

- **WRITTEN EXAMINATION:** 10.12.2009 alle ore 09.00 a.m. DISGAM dell'Università degli Studi di Trieste – TRIESTE
POSSIBLE ALTERNATIVE LANGUAGE TO THE ITALIAN FOR THE WRITTEN EXAMINATION: English
- **ORAL INTERVIEW:** 11.12.2009 at 09.00 a.m. DISGAM dell'Università degli Studi di Trieste – TRIESTE

LANGUAGE/S OTHER THAN THE ITALIAN FOR THE ORAL INTERVIEW: English, French, German, Spanish

CONTACT INFORMATION

CHAIR: Prof. Giorgio Fontolan – Dip. di Scienze geologiche ambientali e marine - Università degli Studi di Trieste - tel. 040/558.2036 e-mail fontolan@units.it

DEPUTY CHAIR: Prof. Francesco Fanucci – Dip. di Scienze geologiche ambientali e marine - Università degli Studi di Trieste - tel. 040/558.2039 e-mail Fanucci@univ.trieste.it

WEB SITE: <http://www.disgam.units.it/dottorato.php>

OVERVIEW: The PhD programme in Environmental Sciences (marine and coastal environment) offers post-graduate specialization in geological sciences with special reference to marine and coastal environment and to related issues in terms of protection and resources. Cross-disciplinary topics are tackled with geological-geophysical-geochemical methodology, thus supplying a deep and wide view of applied environmental issues.

The learning outcomes are:

- 1 – to provide PhD students with the theoretical, experimental and methodological principles needed to better understand the geological and geophysical issues related to marine and coastal environment;
- 2 – foster the acquisition of the theoretical tools necessary to manage correctly seafloor resources and to protect natural and archaeological sites;
- 3 – transfer to PhD students the abilities/skills to plan and develop independent research.

Learning and training activities take place at the Department of Geological, Environmental and Marine Sciences (DISGAM), within the Faculty of Mathematics, Physics and Natural Sciences at the University of Trieste. Library services are provided, as well as novel facilities - sedimentology and geochemistry laboratories - and a processing centre for geophysical data. The Academic Board is made of professors who belong not only to DISGAM but also to the Department of Earth Sciences in the same Faculty, who also act as tutors in the PhD programme.

The course lasts three years; PhD students spend the first two years attending courses and seminars and doing field and laboratory training. The third year is entirely devoted to research and thesis writing.