

DOCTORAL COURSE IN INGEGNERIA CIVILE E AMBIENTALE

GENERAL DESCRIPTION

SUBJECT AREAS:

- main area: ICAR/05
- other areas: ICAR/02, ICAR/04, ICAR/08, ICAR/09 ICAR/06, ICAR/22, ICAR/17, ICAR/20, GEO/11, ICAR/10; MAT/09, ING-IND/28

FIELDS OF RESEARCH:

1. Structures, roads and transportation eng.
2. Environmental and georesources eng.

ORGANIZING DEPARTMENT:

Dip. di Ingegneria civile e ambientale

ITALIAN PARTNER UNIVERSITIES:

- Università di Padova

PROGRAMME LENGTH IN YEARS: 3

MAXIMUM PERIOD OF STUDY ABROAD IN MONTHS: 6

OFFICIAL LANGUAGE OF THE SCHOOL: Italian

ADMISSION INFORMATION AND REQUIREMENTS

PLACES AVAILABLE: 4

SCHOLARSHIPS: 2

FUNDING BODIES:

- Università degli Studi di Trieste + DICA su fondi CNR IVALSA Istituto per la valorizzazione del legno e delle specie arboree del Consiglio Nazionale delle Ricerche (finalizzata al Progetto "Analisi strutturale di edifici con pannelli in legno lamellare incrociato") 1
- MIUR "Fondo Giovani Ricercatori" (finalizzata al Progetto "Sistemi di telecomunicazione innovativi a larga banda, anche con impegno di satelliti per utenze differenziate in materia di sicurezza, prevenzione e intervento in caso di catastrofi naturali") proveniente dal XXIV ciclo 1
PLEASE NOTE: this scholarship does not ensure additional funds for periods abroad.
- DICA su fondi Fondo Trieste (finalizzata al Progetto "Mobility Management (Modelli e metodi per lo studio della mobilità casa-lavoro)") 1
PLEASE NOTE: this scholarship does not ensure additional funds for periods abroad.

Conditional scholarships ("borse di studio finalizzate") require students to do their research on pre-assigned topics.

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

The following degrees are accepted by the School:

- Lauree specialistiche/magistrali:
 - 28/S
 - 34/S
 - 36/S
 - 31/S
 - 20/S
 - 35/S
 - 38/S
 - 45/S
 - 50/S
 - 82/S
 - 85/S
 - 86/S
- Lauree vecchio ordinamento
 - INGEGNERIA CIVILE
 - INGEGNERIA CIVILE PER LA DIFESA DEL SUOLO E PIANIFICAZIONE TERRITORIALE
 - INGEGNERIA DELLE TECNOLOGIE INDUSTRIALI
 - INGEGNERIA EDILE
 - INGEGNERIA EDILE-ARCHITETTURA
 - INGEGNERIA ELETTRONICA
 - INGEGNERIA ELETTROTECNICA
 - INGEGNERIA GESTIONALE
 - INGEGNERIA INDUSTRIALE
 - INGEGNERIA INFORMATICA
 - INGEGNERIA MECCANICA
 - INGEGNERIA NAVALE
 - INGEGNERIA NAVALE E MECCANICA
 - INGEGNERIA PER L'AMBIENTE E IL TERRITORIO

- INGEGNERIA DEI MATERIALI
- INGEGNERIA ELETTRICA
- INGEGNERIA MINERARIA
- INGEGNERIA NUCLEARE
- SCIENZE GEOLOGICHE
- MATEMATICA
- FISICA

DEADLINE FOR COMPLETION OF DEGREE BEFORE APPLICATION:..... 22.11.2009

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:..... 150/150
 FINAL SCORE (MINIMUM REQUIRED):..... 90/150
 SCORE ATTRIBUTED TO THE QUALIFICATIONS: 30/30
 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: 15/30
 A detailed research proposal may be required.
as well as
 1. other academic titles: 10/30
 2. other titles: 5/30
 MINIMUM SCORE REQUIRED FOR THE QUALIFICATIONS:..... 6/30
 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: 23.11.2009
 ADDRESS TO WHICH CERTIFICATES / PUBLICATIONS SHOULD BE SENT: to be handed in during the written test.

EXAMINATION SCHEDULE:

- WRITTEN EXAMINATION: 23.11.2009 at 09.00 a.m. D.I.C.A – Sezione Scienze delle Costruzioni – Via Valerio, 8 - TRIESTE
 POSSIBLE ALTERNATIVE LANGUAGE TO THE ITALIAN FOR THE WRITTEN EXAMINATION: English
- ORAL INTERVIEW: 24.11.2009 at 10.00 a.m. D.I.C.A – Sezione Scienze delle Costruzioni – Via Valerio, 8 - TRIESTE
 LANGUAGE/S OTHER THAN THE ITALIAN FOR THE ORAL INTERVIEW: English

CONTACT INFORMATION

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 DEPUTY CHAIR: Prof. Iginio MARSON – D.I.C.A - Università degli Studi di Trieste - tel. 040/558.3479 e-mail marson@units.it

WEB SITE: http://www.dica.units.it/dottorati/scuola_dottorato.htm

OVERVIEW: In the Civil Engineering field the research themes are relative both to infrastructures and transportation systems planning and management, in the different aspects linked to users safety, functional and economic efficiency and environmental sustainability, as well as to functional and structural design. In particular, in the Structural Engineering field the computation themes relative to steel, concrete and wood structures in static and dynamic conditions, are developed.
 In the Environmental Engineering and Georesources field, the scientific and applied research themes are relative to search, exploitation, protection and management of soil and marine depths georesources in a context of environmental sustainability. The research methods and technologies specific aims are: the subsoil characterization, the raw materials search and exploitation, the management and sustainable development of sources of energy in different geological and environmental contexts, the superficial and subterranean water resources management, the water bodies vulnerability and the reclamation from pollutants. Other specific applications are relative to the study, prevention and protection from natural hazards: hydro geological, geological, seismic and volcanic, the safety of big civil installations and the territorial planning. In the Geomatics field the research activities are relative to GNSS surveying technologies applications to environmental monitoring, terrestrial and aerial real time navigation and integrated GIS (Geographic Information Systems).

CHANGES AFTER 27 JULY 2009 (if any).

The text above is constantly updated. The major changes to the original announcement (if any) are listed below:

- First supplementary announcement: additional earmarked scholarship (Project “*Mobility Management (Modelli e metodi per lo studio della mobilità casa-lavoro)*”)