GEOPHYSICS

Section “Positions and scholarships” revised on 16/09/2013

Coordinator  
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Website  
www.fisica-astronomia.unibo.it

Duration  
3 years

Academic year  
2013/2014

Programme start date  
01/01/2014

Programme held in  
Italian and English

Main Department  
Department of Physics and Astronomy

Associate Institutions  
Istituto Nazionale di Geofisica e Vulcanologia – INGV
Università di Napoli "Federico II" - Dipartimento di Scienze Fisiche

Research topics  
- Seismology
- Physics of volcanism
- Geodesy
- Quantitative geodynamics
- Geo-electromagnetism
- Oceanography and climatology
- Physics of the atmosphere and meteorology

Requirements and admission procedures

Requirements

- An Italian university degree (laurea specialistica/magistrale - 3+2 years) or pre-reform degree (vecchio ordinamento - 4 years) or an equivalent degree obtained abroad. Also applicants whose degree will be awarded no later than December 31, 2013 can participate to the selection procedures.

Admission procedures

- Assessment of qualifications
- Oral examination

Notes on admission

- For applicants residing abroad, the oral examination can be done remotely through video-conference based on the IP protocol (such as through Skype with webcam). In this case, at the time of application for admission, applicants should indicate the choice of this mode for the oral examination and indicate a valid address/contact.
- The request must be authorized by the Admission Board upon verification of the conditions needed to ensure the proper conduct of the test (including check of the applicant's identity).
- The applicant should contact the Admission Board at Skype "paolouni1" and agree a timetable to carry out the oral examination, on days specified for the oral examination. The applicant must ensure his/her availability to the address indicated in the application beginning at the agreed hour and for the next 2 hours.
- In case the applicant is not found for 3 times by members of the Admission Board, he/she will be considered as definitely not registered to the oral exam.

Mandatory documents to be enclosed with the online application (failure to comply with such requirements will result in the exclusion from the competition)

1. CV
2. copy of Bachelor’s and Master’s degree, list of exams taken with grades and final mark (in Italian or English)
3. only for those who do not hold a Master’s degree when submitting the application: copy of the exams taken with grades
   - For documents listed at points 2. and 3., please note that:
     - for degrees obtained in Italian Universities: upload a SIGNED self-declaration;
     - for degrees obtained in non-EU Countries: upload the degree certificate issued by the relevant University;
     - for degrees obtained in EU countries (except Italy): you can either upload a SIGNED self-declaration or the degree certificate issued by the relevant University, translated in Italian or English;
     - all documents must contain the following information: personal data, name of the University, degree name, final score, transcript (see art. 2 of the call).
4. 2 reference letters from university professors or scientists of research institutions (to be sent through the procedure available at this URL http://studenti.unibo.it)
5. summary of graduation thesis; for graduands: summary of the graduation thesis’ draft approved by the Supervisor

Other documents to be enclosed, if available

- Publications
- Other educational activities

Agenda

<table>
<thead>
<tr>
<th>Description</th>
<th>When</th>
<th>Where</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment of qualifications</td>
<td>11/10/2013</td>
<td>Dipartimento di Fisica e Astronomia - Settore di Geofisica (applicants presence is not requested)</td>
<td></td>
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<tr>
<td>Oral examination</td>
<td>23/10/2013</td>
<td>Dipartimento di Fisica e Astronomia - Settore di Geofisica</td>
<td>9 a.m.</td>
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**Assessment criteria**

**Total score: 100/100**

1. **Assessment of qualifications**
   - minimum score required for the admission to the oral exam: 30
   - maximum score: 50
   Score is assigned as follows:
   - evaluation of the degree mark (for applicants who have a university degree at the time of submission of the application) or evaluation of the university exams taken with grades (for applicants who still not have a university degree at the time of submission of the application): max 20 points;
   - relevance of graduation thesis, referring to the research topics of the PhD Programme: max 10 points;
   - publications: max 5 points;
   - other educational activities: max 5 points;
   - reference letters: max 10 points.
   The results of the assessment of qualifications will posted by **14/10/2013** on the bullet board of the Department and on the site [http://studenti.unibo.it](http://studenti.unibo.it), restricted access by University credentials (by selecting: sintesi delle richieste in corso → vedi dettaglio → risultati prova).

2. **Oral examination**
   - minimum score required in order to be listed in the final ranking: 30
   - maximum score: 50
   The oral examination will assess the candidate's aptitude for scientific research, as well as her/his basic competences.
   The results of the oral exam will be posted on the bullet board of the Department and on the site [http://studenti.unibo.it](http://studenti.unibo.it) (by selecting: sintesi delle richieste in corso → vedi dettaglio → risultati prova2).
   The final ranking with details of winners will be published on the site [http://studenti.unibo.it](http://studenti.unibo.it), restricted access by University credentials. Any information concerning the publication of the final ranking will be available on [www.unibo.it/Dottorati/Bandi29](http://www.unibo.it/Dottorati/Bandi29).
   The Admission Board will not send any communication to the candidates about the outcome of the tests. It is the responsibility of the candidates to be informed on the outcome (see art. 6 of the call).

**Language requirements**

During the oral examination the knowledge of the following foreign language will be assessed: English.

The oral examination can be carried out either in Italian or English, depending on the applicant's choice.

For foreign applicants the knowledge of Italian is not mandatory.

**Positions and scholarships**

Total number of positions: **8**, of which:
- **4 positions with scholarship granted by University of Bologna** (one scholarship is fully made available by the Department of Physics and Astronomy)
- **1 position with scholarship granted by Università degli Studi di Napoli “Federico II”**
- **3 positions without scholarship**