Evaluation criteria for the admission to the

National PhD Course in Earth Observation

(38° ciclo)

Qualifications, motivational letter and oral exam, functional to assess the experiences and skills of the Candidate for the development of the proposed research, are evaluated according to the following criteria.

**1. Qualifications (max 60 points)**

**1.1. Academic career (Bachelor plus Master or equivalent) – max 40 points**

**Academic career for Candidates with Bachelor plus Master or equivalent (max 30 points)**

* max 16 points for the average (weighted on credits) of the marks of the Bachelor degree (MB)

|  |  |
| --- | --- |
| Average (weighted on credits) of the marks of the Bachelor degree (MB) | Points |
| 29.50 < MB 30.00 | 16 |
| 29.00 < MB 29.50 | 15 |
| 28.50 < MB 29.00 | 14 |
| 28.00 < MB 28.50 | 13 |
| 27.50 < MB 28.00 | 12 |
| 27.00 < MB 27.50 | 9 |
| 26.00 < MB 27.00 | 6 |
| 25.00 MB 26.00 | 3 |
| MB 25.00 | 0 |

* max 12 points for the average (weighted on credits) of the marks of the Master degree (MM)

|  |  |
| --- | --- |
| Average (weighted on credits) of the marks of the Master degree (MM) | Points |
| 29.50 < MM 30.00 | 12 |
| 29.00 < MM 29.50 | 11 |
| 28.50 < MM 29.00 | 10 |
| 28.00 < MM 28.50 | 9 |
| 27.50 < MM 28.00 | 6 |
| 27.00 MM 27.50 | 3 |
| MM < 27.00 | 0 |

* max 2 points for Italian Master Degree mark

|  |  |
| --- | --- |
| Mark | Points |
| 110 cum laude | 2 |
| 110 | 1 |
| <110 | 0 |

* max 10 points for foreign Master Degree mark

|  |  |
| --- | --- |
| Mark  (percentage interval with respect to the maximum mark of the foreign master degree) | Points |
| 90% - 100% | 10 |
| 80% - 90% | 8 |
| 70% - 80% | 6 |
| 50% - 70% | 4 |

(example:

maximum mark of the foreign master degree: 20

intervalli:

|  |  |  |
| --- | --- | --- |
| percentage interval with respect to the maximum mark of the foreign master degree | interval with respect to the maximum mark of the foreign master degree | Points |
| 90% - 100% | (90% - 100%)\*20 = 18 - 20 | 10 |
| 80% - 90% | (80% - 90%)\*20 = 16 - 18 | 8 |
| 70% - 80% | (70% - 80%)\*20 = 14 - 16 | 6 |
| 50% - 70% | (50% - 70%)\*20 = 10 - 14 | 4 |

master degree mark: 17

points: 8)

**Academic career for Candidates with Single-Cycle Master or equivalent (max 30 points)**

* max 28 points for the average (weighted on credits) of the marks of the Single-Cycle Master (MM)

|  |  |
| --- | --- |
| Average (weighted on credits) of the marks of the Master degree (MM) | Points |
| 29.50 < MM 30.00 | 28 |
| 29.00 < MM 29.50 | 26 |
| 28.50 < MM 29.00 | 24 |
| 28.00 < MM 28.50 | 22 |
| 27.50 < MM 28.00 | 18 |
| 27.00 MM 27.50 | 14 |
| 26.00 < MT 27.00 | 10 |
| 25.00 MT 26.00 | 5 |
| MT 25.00 | 0 |

* max 2 points for Italian Single-Cycle Master Degree mark

|  |  |
| --- | --- |
| Mark | Points |
| 110 cum laude | 2 |
| 110 | 1 |
| <110 | 0 |

* max 10 points for foreign Single-Cycle Master Degree mark

|  |  |
| --- | --- |
| Mark  (percentage interval with respect to the maximum mark of the foreign master degree) | Points |
| 90% - 100% | 10 |
| 80% - 90% | 8 |
| 70% - 80% | 6 |
| 50% - 70% | 4 |

(example:

maximum mark of the foreign master degree: 20

intervalli:

|  |  |  |
| --- | --- | --- |
| percentage interval with respect to the maximum mark of the foreign master degree | interval with respect to the maximum mark of the foreign master degree | Points |
| 90% - 100% | (90% - 100%)\*20 = 18 - 20 | 10 |
| 80% - 90% | (80% - 90%)\*20 = 16 - 18 | 8 |
| 70% - 80% | (70% - 80%)\*20 = 14 - 16 | 6 |
| 50% - 70% | (50% - 70%)\*20 = 10 - 14 | 4 |

master degree mark: 17

points: 8)

**1.2. Scholarships, research grants (PostDocs included) - max 5 points**

Criteria: institution, type of selection (competitive or not), duration

**1.3. Research activity - max 5 points**

Criteria: institution / laboratory where the research activity was carried out, type of selection (competitive or not), duration

**1.4. Attendance of courses of excellence, specialization courses, High Schools of University Studies - max 5 points**

Criteria: institution, type of training activity, duration

**1.5. Jobs in technical / operational or production field at organizations, institutions, companies - max 5 points**

Criteria: organization / institution / company where the job contract has been formalized, type of job, duration

**1.6. Other awards - max 5 points**

(e.g. prizes in competitions, second degree)

Criteria: organization / institution that issued the award, position in ranking / judgment / final grade

**1.7. Publications in peer-reviewed journals - max 5 points**

(the list must contain a maximum of 5 publications, suited to highlight the experiences and skills of the Candidate useful for the development of the proposed research)

**1.8. Technical reports formally accepted and / or official at organizations and institutions - max 5 points**

(the list must contain a maximum of 5 reports, suited to highlight the experiences and skills of the Candidate useful for the development of the proposed research)

**1.9. Other activities, qualifications and skills - max 5 points**

(e.g. attendance of short courses and schools, participation in congresses, computer skills, language skills)

**1.10. Any interruptions in the study / research career for health reasons / parental leave**

**2. Motivation letter (max 40 points)**

The motivation letter must not exceed 2 pages (Arial font, size 10, margins 2cm) and can contain figures / tables.

With reference to the topic of the scholarship for which the application is being submitted, the motivation letter must:

1 - illustrate ideas and objectives of the proposed research, starting from the state of the art, including proper bibliographic references if useful

2 - highlight Candidate’s experiences and skills useful to the development of the proposed research

In particular, the evaluation is focused on:

* knowledge of the state of the art (max 10 points)
* originality and innovation of the proposed project (max 10 points)
* clarity and completeness of the presentation of the objectives, methodologies, and expected results (max 10 points)
* Candidate’s experiences and skills useful to the development of the proposed research (max 10 points)

**3. Oral exam (max 60 points)**

Candidates are admitted to the oral exam only if they achieved an overall evaluation of qualifications and motivation letter of at least 50/100.

During the oral exam Candidate’s qualifications, motivation letter and possible letters of reference are discussed, and the level of English language is assessed:

* discussion of qualifications: clarity of presentation, ability to summarize and scientific interest of the curriculum (max 10 points)
* discussion of the motivation letter (max 35 points)
* discussion of possible letters of reference (max 5 points)
* English language assessment (max 10 points).

The oral exam is passed with a minimum score of 40/60.

**The overall minimum score for admission to the PhD course is 90/160.**

**2. Lettera motivazionale (max 40 punti)**

La lettera motivazionale deve essere contenuta in 2 pagine (font Arial, size 10, margini 2cm) e può contenere figure/tabelle.   
Con riferimento alla tematica dalla borsa per la quale si presenta domanda, la lettera di motivazione deve:  
1 - illustrare le idee e gli obiettivi della ricerca che si intende sviluppare a partire dallo stato dell’arte, con eventuali riferimenti bibliografici  
2 - evidenziare le esperienze e competenze della/del Candidata/o funzionali allo sviluppo della ricerca proposta

In particolare, vengono valutati:

* conoscenza dello stato dell’arte (max 10 punti)
* originalità e contenuto innovativo (max 10 punti)
* chiarezza e completezza dell’esposizione degli obiettivi, delle metodologie e dei potenziali risultati (max 10 punti)
* esperienze e competenze della/del Candidata/o funzionali allo sviluppo della ricerca proposta (max 10 punti)

**3. Prova orale (max 60 punti)**

Alla prova orale vengono ammessi le/i Candidate/i candidati che nella valutazione dei titoli e nella valutazione della lettera motivazionale abbiano conseguito la votazione di almeno 50/100.

Durante la prova orale vengono discussi i titoli, la lettera di motivazioni e le eventuali lettere di referenze, e si tiene la prova di lingua straniera:

* discussione dei titoli: chiarezza espositiva, capacità di sintesi e interesse scientifico del curriculum (max 10 punti)
* discussione della lettera di motivazioni (max 35 punti)
* discussione delle eventuali lettere di referenze (max 5 punti)
* lingua straniera (max 10 punti).

La prova si intende superata con un punteggio minimo di 40/60.

**Il punteggio minimo complessivo per l’ammissione al dottorato di ricerca è di 90/160.**