

# Evaluation criteria for the admission to the PhD course in Mathematics (XXXIX cycle)

Admission qualifications, written and oral exams will be evaluated according to the following criteria:

## 1. CV and professional titles (max 60 points)

### 1.1 University final degree mark (max 10 points)

Mark	Points
110 e lode	10
110	8
109 -108	6
107	4
106	2
105	1
<105	0

Students who have not obtained their title by the application deadline will be evaluated on the average grade resulting from the list of the exams.

Average	Points
29.5 - 30	10
29 – 29.49	8
28.5 - 29	6
28 - 28.49	4
27 - 27.99	2
<27	0

### 1.2 Publications (max 5 points)

The committee will evaluate the publications submitted in the application.

### 1.3 Academic curriculum (max 25 points)

In the selection process, the committee will evaluate in particular the marks obtained in the various classes, the actual duration of the academic program, the relevance of the studied topics.

For the candidates who are members of the public administration, the committee will consider the teaching and research activities during their service as public employees.

#### **1.4 Research statement (max 10 punti)**

For the evaluation process, the candidate can present a research project, to describe his research interests and eventually the affinity with members of the Mathematics Department. The letter should not exceed 8000 characters (spaces included).

#### **1.4 Recommendation letters (max 10 punti)**

The recommendation letters are not mandatory but strongly recommended in order to allow a more complete assessment of the potential of candidates.

### **2. Written exam (max 60 points)**

In order to be admitted to the written exam, the candidates must have a minimal score of 20/60 points to the first evaluation.

The written exam consists of exercises on topics of the Mathematics curriculum of the first three years of studies, such as Algebra, Geometry, Analysis, Probability, Mathematical Physics, Numerical Analysis. On the web page of the Ph.D school in Mathematics it is possible to find more precise informations regarding the written exam and a facsimile of the exam: [https://phd.uniroma1.it/web/MATEMATICA\\_nD3519\\_IT.aspx](https://phd.uniroma1.it/web/MATEMATICA_nD3519_IT.aspx)

The maximal score for the written exam is 60/180 points. The minimal score needed to be admitted to the next oral exam is 20/60 point.

### **3. Interview (max 60 points)**

Are admitted to the interview all candidates who scored at least 20/60 points at the written exam.

Each candidate will be interviewed on his/her scientific interests (past and future) and on background topics centered around his/her scientific interests. For the interview the committee will assign up to 60/180 points each. Passing grade is 20/60.

**The minimal valid score for the admission to the Ph.D program is 60/180.**