Evaluation criteria for the admission to the PhD Course in Chemical Sciences (XXXVIII cycle)

Laurea degrees, research project, written and oral tests will be evaluated as follows:

**1. Evaluation of Laurea degrees (max 20 points)**

1. Evaluation of Laurea degrees
* Minimum points for the admission to the evaluation of the research project: 10
* Maximum points: 20

Evaluation of Laurea degrees will be done according to the following tables for the first and second level:

* First level Laurea final mark: max 12 points.
* Average of marks for exams of second level Laurea degree: max 8 points.

1.1 First level Laurea final mark

|  |  |
| --- | --- |
| Mark | Points |
| 110 cum laude | 12 |
| 110 | 10 |
| 109-107  | 9 |
| 106-104  | 8 |
| 103-101  | 7 |
| 100-95  | 6 |
| < 95 | 5 |

1.2 Average of the marks of second level Laurea degree

|  |  |
| --- | --- |
| Averaged mark | Points |
| ≥ 29 | 8 |
| 28≤ voto <29 | 6 |
| 27≤ voto <28 | 5 |
| 26≤ voto <27 | 4 |
| 25≤ voto <26 | 3 |
| < 25 | 1 |

For the five year Laurea degree evaluation will be based as follows:

Evaluation of Laurea degrees will be done according to the following tables for the first and second level:

* Average of marks of the first three years: max 12 points.
* Average of marks of the second three years: max 8 points.

1.3 Average of the marks of first three years

|  |  |
| --- | --- |
| Averaged mark | Points |
| ≥ 29 | 12 |
| 28≤ voto <29 | 10 |
| 27≤ voto <28 | 9 |
| 26≤ voto <27 | 8 |
| 25≤ voto <26 | 7 |
| < 25 | 5 |

1.4 Average of the marks of the last two years

|  |  |
| --- | --- |
| Averaged mark | Points |
| ≥ 29 | 8 |
| 28≤ voto <29 | 6 |
| 27≤ voto <28 | 5 |
| 26≤ voto <27 | 4 |
| 25≤ voto <26 | 3 |
| < 25 | 1 |

**2. Research project (max 10 punti)**

* Minimum points for the admission to the written test: 5
* Maximum points: 10

The candidate must submit a research project, possibly inspired by his thesis work, that has to be contained in a size between 5,000 and 8,000 characters (including spaces). The research project is relevant for the sole purpose of the selection and the choice of the doctoral thesis is not binding.

**3. Written Test (max 40 points)**

* Minimum points for the admission to the oral test: 20
* Maximum points: 40

The candidate must develop a topic chosen among the 10 tracks proposed and concisely answer 3 questions chosen from 5 proposed. Both the tracks and the questions will focus on topics related to the five disciplinary sectors of chemistry: Analytical Chemistry, Physical Chemistry, General and Inorganic Chemistry, Organic Chemistry and Industrial Chemistry (disciplinary sectors 03 / A1, 03 / A2, 03 / B1, 03 / C1, 03 / C2) covered in the courses of the Bachelor's Degree in Chemistry and Industrial Chemistry. Three envelopes will be prepared, each containing 10 tracks and 5 questions belonging to the five sectors defined above (two themes and one question for each sector 03 / A1, 03 / A2, 03 / B1, 03 / C1, 03 / C2). One of the three envelopes will be pulled out. Each candidate will have to carry out one of the themes extracted and answer 3 questions.

In order to be admitted to the oral exam, the candidate must achieve a minimum overall score of 20 points.

**4. Oral Test (max 30 points)**

 - Minimum points for the eligibility in the final admission list: 15

 - Maximum points: 30

The aim of the oral test is to verify the aptitude of the candidate towards the scientific research. The oral test is based on general topics of analytical chemistry, physical chemistry, inorganic chemistry, organic chemistry and industrial chemistry. The knowledge of the English language will be also assessed.

The minimum overall points for the admission to the PhD course in Chemical Sciences is 50/100.