## Master in Musicology

<table>
<thead>
<tr>
<th>Course title:</th>
<th>Technical and Scientific Communication</th>
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<tbody>
<tr>
<td>Course year:</td>
<td>2016-2017</td>
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<tr>
<td>Semester:</td>
<td>1</td>
</tr>
<tr>
<td>Course code:</td>
<td>54014</td>
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<tr>
<td>Scientific sector:</td>
<td>INF/01</td>
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<tr>
<td>Lecturer:</td>
<td>Andrea Molinari</td>
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<tr>
<td>Module:</td>
<td>-</td>
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<tr>
<td>Lecturer other module:</td>
<td>-</td>
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<tr>
<td>Credits:</td>
<td>6</td>
</tr>
<tr>
<td>Total lecturing hours:</td>
<td>30</td>
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<tr>
<td>Total Hours of availability for students and tutoring:</td>
<td>18</td>
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<tr>
<td>Office hours:</td>
<td>from Monday to Friday on request</td>
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<tr>
<td>Attendance:</td>
<td>according to the regulation</td>
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<td>Teaching language:</td>
<td>English</td>
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<tr>
<td>Propaedeutic course:</td>
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### Course description:
This course introduces the principles and mechanics of technical and scientific writing for persons studying or working in different technological or scientific contexts. Students will learn specific communications skills associated with reporting technical and scientific information and will create different levels of communication assets like pitches, presentations and scientific papers.

### Specific educational objectives:
For modern workers and researchers, knowledge transfer is crucial. This course is a basic course designed specifically to improve written and oral communication competence and skills of students in scientific and technical contexts.

### List of topics covered:
- The importance of presentation
- How to present a technical / scientific idea
- How to create and present a Pitch
- How to prepare and present technical and scientific work or paper
- What could happen with wrong presentations
- Speech preparation and presentation
- Technical and Scientific presentation: how it works
- Occasions for communicating Technical & Scientific Work
- Characteristics of Scientific Writing
- Characteristics of Technical Writing
- Technical & Scientific Writing constraints
- Writing Styles and different contexts
- Stylistic principles in writing
- Recommendation about Technical & Scientific Work
- Structure of a scientific document: Introduction, Methods, Results, Discussion
- Details about different sections of a scientific paper
- Structure of a scientific document
### Teaching format:

Frontal lectures and seminars, exercises in groups, cognitive exercises. Each of the three main methods of scientific communication (writing, speaking, and preparing a presentation) will involve the students discussing each other's work.

### Learning outcomes:

- **Applying knowledge and understanding**
  - Be able to understand and write documentation for technical, scientific reporting

- **Making Judgements**
  - Be able to improve planning capabilities
  - Be able to independently select a topic for paper writing and oral presentation

- **Communication skills**
  - Be able to structure and prepare technical and scientific documentation in different contexts
  - Communicate technical and scientific work results orally in front of an audience

- **Ability to Learn**
  - Be able to extend knowledge for what constitutes a research topic or technical work in different contexts
  - Be able to search for the current state of the art and by comparing to their own work, derive conclusions for the future work alternatives

### Assessment:

- **Written and oral:**
  - Written exam based on a scientific or technical article written by the student on a topic chosen from the field of computer science.
  - Oral presentation by the student during the exercise session scheduled. The allocated time is from 15 to 30 minutes including feedback by the students in the class for the presenter.

### Evaluation criteria and criteria for awarding marks:

An assessment score out of 100 points is given. The evaluation criteria is as follows:

- Written examination (a short paper): The evaluation is based on how much the scientific paper complies with the principles of good scientific and technical writing. The short paper will be sent in advance for adequate evaluation.

  Specifically the following elements will be assessed:

- Quality and structure of the paper: 30 points
- Language used in the paper: 10 points
- Use of illustrations: 10 points
- Correct formatting based on the constraints: 10 points

Oral presentation on the chosen topic in computer
|                                                      | M. Davis, Scientific papers and presentations, San Diego, Acad. Press, 2000  
|                                                      | All other material will be produced in house. |