## COURSE DESCRIPTION – ACADEMIC YEAR 2018/2019

<table>
<thead>
<tr>
<th>Course title</th>
<th>Seminars in Software and IT Engineering</th>
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<tbody>
<tr>
<td>Course code</td>
<td>72125</td>
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<tr>
<td>Scientific sector</td>
<td>INF/01</td>
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<tr>
<td>Degree</td>
<td>Master in Computer Science (LM-18)</td>
</tr>
<tr>
<td>Semester</td>
<td>1</td>
</tr>
<tr>
<td>Year</td>
<td>2</td>
</tr>
<tr>
<td>Credits</td>
<td>4</td>
</tr>
<tr>
<td>Modular</td>
<td>No</td>
</tr>
<tr>
<td>Total lecturing hours</td>
<td>24</td>
</tr>
<tr>
<td>Total lab hours</td>
<td>--</td>
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<tr>
<td>Total exercise hours</td>
<td>12</td>
</tr>
<tr>
<td>Attendance</td>
<td>Required</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>Required</td>
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<tr>
<td>Course page</td>
<td><a href="https://ole.unibz.it/">https://ole.unibz.it/</a></td>
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### Specific educational objectives
- The course belongs to the type "affini o integrative – formazione affine" in the curriculum "Software Engineering and IT Management".
- The course provides a general overview of methods and practices in Software Engineering. It has the objective to enable students to understand principles of Software Engineering and apply these principles in their work as software engineers.

### Lecturer
- **Ilenia Fronza**

### Contact
- **Piazza Domenicani 3, Room 1.08, ilenia.fronza@unibz.it**

### Scientific sector of lecturer
- **INF/01**

### Teaching language
- **English**

### Office hours
- **Arrange beforehand by email.**

### Lecturing Assistant (if any)
- **--**

### Contact LA
- **--**

### Office hours LA
- **--**

### List of topics
- Fundamentals of methodology for research in Software and IT Engineering
- Discussion of research papers including key areas of Software and IT Engineering

### Teaching format
- The course is organized as hands-on activity in which students learn how to present scientific papers or textbook chapters on Software Engineering. The students will have to prepare a video seminar. The lecturer will assist students in studying the material and preparing the video. Students will then watch all the videos and discuss the material in a group.

### Learning outcomes
- Knowledge and understanding
  - Thoroughly understand the scientific method of investigation.
- Applying knowledge and understanding
### Assessment

The assessment of the course consists of two parts:
- a video seminar on a scientific paper or textbook chapter on Software Engineering;
- oral exam after the lecture span on all videos prepared throughout the course.

### Assessment language

English

### Assessment typology

Monocratic

### Evaluation criteria and criteria for awarding marks

- Video seminar and active participation in the course (70%). This component of the assessment covers mainly communication skills; in the discussions the students can also show their ability to classify and judge scientific publications.
- Final oral exam (30%) consists of questions on all video seminars prepared throughout the course, in particular, on the presented papers and chapters. In this component, the students mainly demonstrate their ability to learn by showing their understanding of the different topics.

### Required readings


### Supplementary readings

Additional readings will be communicated during the seminar.
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<thead>
<tr>
<th>Software used</th>
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