



## COURSE PRESENTATION FORM – ACADEMIC YEAR 2010/2011

<b>COURSE NAME</b>	<b>Research Methods</b>
<b>COURSE CODE</b>	72005 (MSc 270)
<b>LECTURER</b>	<a href="#">Jurg Nievergelt</a>
<b>TEACHING ASSISTANTS</b>	--
<b>TEACHING LANGUAGE</b>	English
<b>CREDIT POINTS</b>	2
<b>LECTURE HOURS</b>	18
<b>EXERCISE HOURS</b>	--
<b>TIME SPAN</b>	27.09.2010 - 21.01.2011
<b>TIME TABLE</b>	See <a href="#">Timetable Page</a>
<b>OFFICE HOURS LECTURER</b>	During the lecture time, Mondays 10:30 after the Lecture, <a href="#">Faculty of CS, POS Building, piazza Domenicani 3</a> , office 2.10
<b>OFFICE HOURS TEACHING ASSISTANT</b>	--
<b>PREREQUISITES</b>	MS student in Computer Science.
<b>OBJECTIVES</b>	Introduce students to general aspects of how to plan and execute research projects. Students present a proposal for a possible MS thesis project.
<b>SYLLABUS</b>	<ul style="list-style-type: none"><li>• Styles of thinking:<ul style="list-style-type: none"><li>○ different approaches to problem solving.</li></ul></li><li>• Case studies of the development of scientific disciplines over long periods of time:<ul style="list-style-type: none"><li>○ Understanding the solar system</li><li>○ The development of algorithmics</li><li>○ The development and formalization of logic.</li></ul></li><li>• Guest lectures and discussions on research projects conducted in the Faculty of Computer Science.</li><li>• Students present their proposal for a possible MS thesis project.</li></ul>
<b>TEACHING FORMAT</b>	Frontal lectures, group discussions and individual student presentations, both oral and written.
<b>ASSESSMENT</b>	This course is graded Pass/Fail.



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**Fakultät für Informatik** | **Facoltà di Scienze e Tecnologie informatiche** | **Faculty of Computer Science**

A Pass grade requires active participation during the entire semester, and presenting to the class an MS thesis proposal supported by a feasibility analysis.

**READING LIST**

Lecture notes are handed out to the students. Students search and summarize the literature relevant to their proposed thesis topic.

**SOFTWARE USED**

None.

**LEARNING OUTCOME**

Prepare students to start an MS research project.

**COURSE PAGE**

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