



COURSE PRESENTATION FORM – ACADEMIC YEAR 2010/2011

COURSE NAME	Distributed Systems
COURSE CODE	70094
LECTURER	Werner Nutt
TEACHING ASSISTANTS	Paul Knoll
TEACHING LANGUAGE	English
CREDIT POINTS	4
LECTURE HOURS	24
EXERCISE HOURS	12
TIME SPAN	27.09.2010 - 21.01.2011
TIME TABLE	See Timetable Page
OFFICE HOURS LECTURER	During the lecture time, TBD, Faculty of CS, POS Building, piazza Domenicani 3 , office 2.09
OFFICE HOURS TEACHING ASSISTANT	During the lecture time, TBD, Faculty of CS, POS Building, piazza Domenicani 3 , office 2.10
PREREQUISITES	Good programming skills, preferably in Java. Familiarity with operating systems.
OBJECTIVES	The aim of the course is to familiarize students with the principles of networking and distributed systems and to enable them to implement simple versions of distributed systems.
SYLLABUS	The course will address the following topics: <ul style="list-style-type: none">• Foundations of networking• System models• Concurrent programming, threads• Interprocess communication• Distributed objects• Naming• Time and clocks• Coordination
TEACHING FORMAT	Frontal lectures, lab sessions, projects
ASSESSMENT	The final mark will be based on coursework (lab and exercises) and on a written exam.



Students who do not submit coursework will be assessed on the exam alone.

For students who do submit coursework, the final mark will be based on both the exam mark and the exercise mark. In this case, a weighted average of the exam mark (70%) and the exercise mark (30%) will be computed. If this average is lower than the exam mark, the average will be the final mark. Otherwise, the exam mark will be the final mark.

The coursework will always be taken into account, independently of when the student takes the exam.

READING LIST

- Distributed Systems: Principles and Paradigms, A.S. Tanenbaum, M. van Steen, Prentice Hall, 2007.
- Distributed Systems: Concepts and Design (Edition 4), G. Coulouris, J. Dollimore, T. Kindberg, Addison-Wesley, 2005.

SOFTWARE USED

- Wireshark
- Java Software Development Kit

LEARNING OUTCOME

At the end of the course, students will be familiar with fundamental principles underlying networking and distributed systems and will have practical experience of distributed system design.

COURSE PAGE

<http://www.inf.unibz.it/~nutt/DSs1011/>