



COURSE PRESENTATION FORM – ACADEMIC YEAR 2010/2011

COURSE NAME	Advanced Internet Technologies
COURSE CODE	70214 (BSc and MSc 509) / 72008 (MSc 270)
LECTURER	Giancarlo Succi
TEACHING ASSISTANTS	Nabil El Ioini , Etiel Petrinja ,
TEACHING LANGUAGE	English
CREDIT POINTS	8
LECTURE HOURS	48
EXERCISE HOURS	24
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 1.14
OFFICE HOURS TEACHING ASSISTANT	During the lecture time, TBD, Faculty of CS, POS Building, piazza Domenicani 3 , office 1.08 / 1.12
PREREQUISITES	<ul style="list-style-type: none">• Basic understanding of procedural and object oriented programming languages, such as C, C++, C#, Java, etc.• Basic knowledge of the structure and the protocols used on the Internet (such as the knowledge supplied in Data Communication and Internet Technologies).
OBJECTIVES	The objective of this course is to provide a comprehensive knowledge regarding Internet Technologies. This will include a significant study on design and development of web and mobile services. The course is not on a specific programming language; however, for simplicity most examples will be taken from Java or C#.
SYLLABUS	The following major topics will be covered in the course: <ul style="list-style-type: none">• Design of web applications• Tools and languages to develop web applications• Design of web applications for mobile devices• Tools and languages to develop mobile web applications
TEACHING FORMAT	Frontal lectures, labs, projects in teams.
ASSESSMENT	<ul style="list-style-type: none">• Project (50%)



- Final Oral Exam (50%)

READING LIST

The course will be based on the slides used in classes.

Additional useful references include:

- P. Greenspun, "Philip and Alex's Guide to Web Publishing", available at: <http://philip.greenspun.com/panda/>
- E. Andersson, P. Greenspun, A. Grumet, "Internet Application Workbook", available at: <http://philip.greenspun.com/internet-application-workbook/>
- J. Feller, B. Fitzgerald, Understanding Open Source Development, Addison-Wesley, 2002.
- Hashimi, S. Y. and Komatineni, S. 2009 "Pro Android" 1st. Apress.

SOFTWARE USED

The following list includes some of the most important tools that we will use in the course:

- Eclipse
- J2EE
- J2ME
- Visual Studio.NET

LEARNING OUTCOME

Competence in analysing, designing, developing, and testing standard and mobile systems for the Internet.

COURSE PAGE

On teaching.case.unibz.it.