

Università “La Sapienza” di Roma

CORSO DI LAUREA MAGISTRALE in INFORMATICA

Master Degree in Computer Science

«Information Systems»

Lezione introduttiva - *Foreword*

DIPARTIMENTO
DI INFORMATICA



SAPIENZA
UNIVERSITÀ DI ROMA

Information Systems course

Agenda

- Learning objectives
- Need of competent ICT professionals
- Multilingual audience
- Program & (preliminary) schedule
- Exam rules
- Student access to training material
- Textboks (Italian/*English*)

Information Systems course

Learning objectives

Main Objective: to be acknowledged as a competent ICT professional

- Knowledge
 - functional model and info structure of business processes
 - integration needs and control requirements of business computer systems data
 - systems and technologies to develop&maintain a successful e-business
 - main application areas of info systems in various industries
 - ICT organization and mainstream techniques (e.g. quality assurance)
 - basic techniques/approach for project management in ICT
- Capabilities
 - To analyze the multi-faceted requirements elicited from different user categories (stakeholder) of info systems
 - To select the proper application architectures, developing related feasibility study
 - To prepare, for a simple ICT project, a development plan according to usual constraints on time, cost, quality and to design appropriate organization
 - To control an ongoing ICT project, applying basic project management techniques
 - To understand and appreciate the *lessons learned* in previous projects

Information Systems course

Multilingual audience

Main Objective: to be mutually “in touch”

- Faculty

- Lessons (speeches) in English
- Visual material (slides) in English and Italian
- Training references (books) in Italian & English
- Pointer to course program for each language book (chapters)

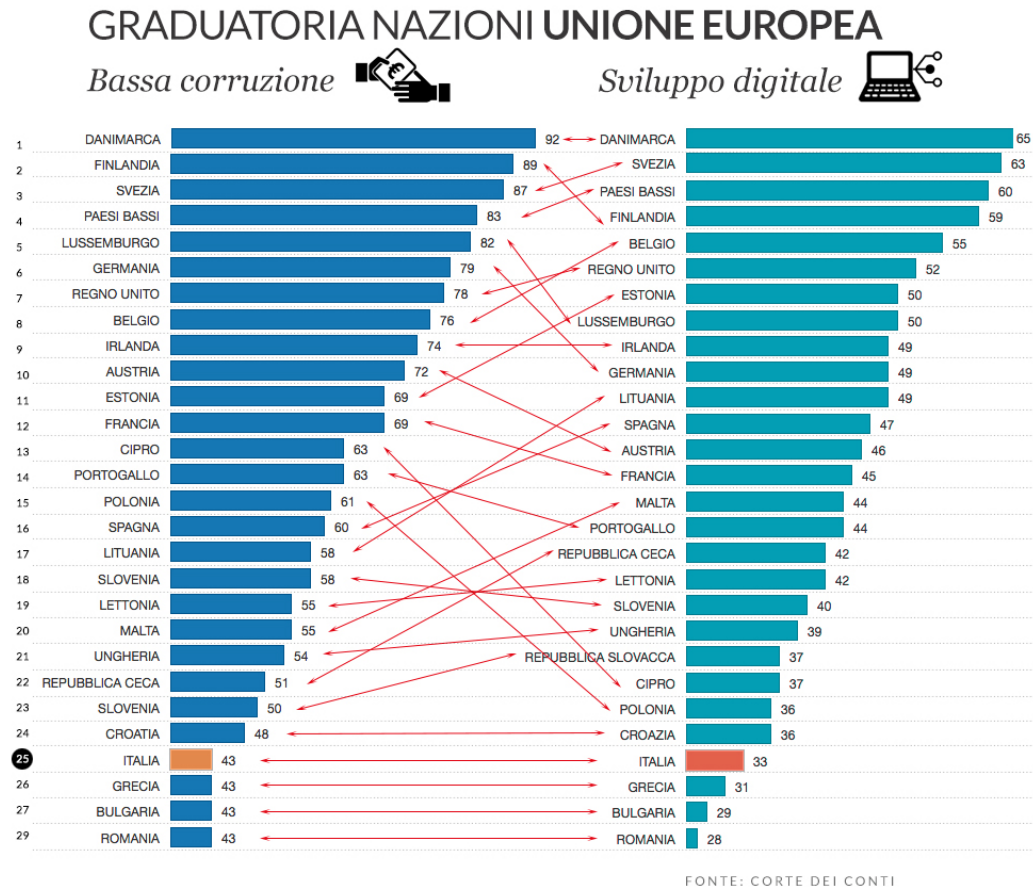
- Students

- Questions (always welcome) in English or Italian
- Strong effort to talk in the other (not mother tongue) language
- Mail in English
 - Franco Stolfi: stolfi@di.uniroma1.it
 - Federico Minelle: minelle@di.uniroma1.it

Information Systems course

Need of competent ICT professionals

Indexes correlation:
Corruption vs.
ICT dev.mnt
(analyzed by
an Italian Gov't CIO)



www.repubblica.it/tecnologia/2015/06/23/news/la_corruzione_si_combatte_con_la_cultura_digitale_ecco_perche_-117513423

Information Systems course

Course content

- Program (draft)
 - I. Business Info Systems
 - Business & Info systems organization
 - Transactional systems (e.g. ERP)
 - Informational systems (Data warehousing/mining, Data analytics)
 - Decision making support
 - II. Quality in Systems Development
 - ICT sw/services/data quality metrics
 - Feasibility study features/needs
 - III. Project Management (basics)
 - Business context/rules
 - Common planning&control techniques (hard skills)
 - Team&Stakeholder management approach (soft skills)

Information Systems course

Course schedule (preliminary)

- Course schedule (preliminary)
 - Lessons: Feb. – May 2017
 - Vacations (Easter): Apr. 13-18
 - Exam sessions: Jun-Jul; Sept;
 - Exam extra sessions: Mar-Apr, Oct 2018 (on condition)
- Where&when (to be confirmed)
 - Aula Alfa di Via Salaria 113
(c/o Dipartimento di Informatica)
 - Tue. 14-16, Thu. 16-18

Information Systems course

Exam rules

- Scope
 - Only subjects actually showed in course lessons
- 1. Written test (quiz mode)
 - 10 questions
 - 4 possible answer per question
 - 1 correct answer only (tick mark)
- 2. Oral exam (selective)
 - Student > 50% right answer to written test
 - 1 question (focus on wrong answers in written test)
- Where&when (to be confirmed)
 - Aula Alfa di Via Salaria 113 (c/o Dipartimento di Informatica)

Information Systems course

Student access to training material

- Twiki website: course program & free training material
 - Credential to twiki access (student mail address by segreteria)
http://twiki.di.uniroma1.it/twiki/view/Sistemi_inf/WebHome (access allowed to faculty/students)

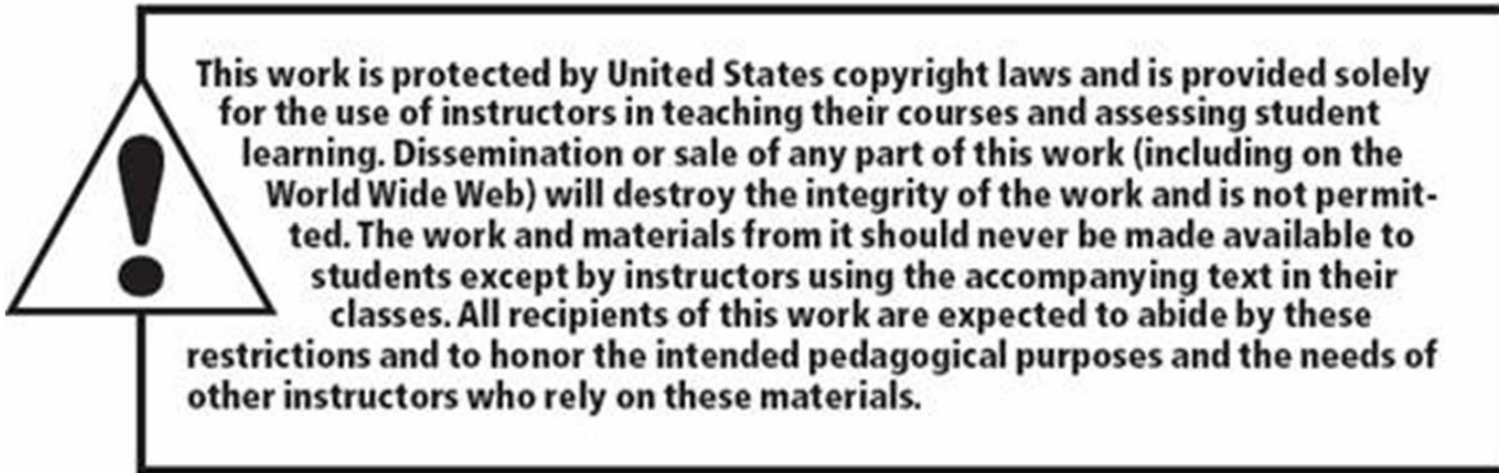
The screenshot shows a web browser window displaying the Twiki website for the 'Corso di Sistemi Informativi'. The page title is 'WebHome < Sistemi_inf <...'. The URL in the address bar is 'twiki.di.uniroma1.it/twiki/view/Sistemi_inf/WebHome'. The page content includes a navigation menu on the left with items like 'Sistemi_inf Web ...', 'User Reference ...', 'Prenotazioni esami', 'Laurea Triennale ...', 'Laurea Specialistica ...', 'Altri Webs ...', and 'TWiki ...'. The main content area is titled 'Corso di Sistemi Informativi' and lists two academic years: 'AA 2015-16' and 'AA 2016-17'. Under 'AA 2015-16', there are two PDF links: 'SI_Programma_Didattico_2015-16_(1.0).pdf' and 'SI_Programma_Didattico_Svolto_2015-16(2.0).pdf'. Under 'AA 2016-17', there are two PDF links: 'SI_Programma_Didattico_2016-17_1.0.pdf' and 'SI_Program-English_2016-17_1.0.pdf'. Below the course information, there is an 'Allegati' section with a table of attachments. The table has columns for 'I', 'Allegato', 'Storia', 'Azione', 'Larghezza', 'Data', 'Chi', and 'Commento'. The attachments listed are: 'Intro_Info_System_2017_1.0.pdf', 'SI_Materiale_didattico_sez3_2015-16_(1.0).pdf', 'SI_Programma_Didattico_2015-16_(1.0).pdf', 'SI_Programma_Didattico_Svolto_2015-16(2.0).pdf', 'SI_SEZ1_2015-16.ZIP', 'SI_Sez1_2016-17.zip', and 'SI_Sez2_2015-2016.pdf'. The table also shows the size of each file, the date and time of upload, the user who uploaded it (all are 'FrancoStofi'), and a brief description of the file.

I	Allegato	Storia	Azione	Larghezza	Data	Chi	Commento
	Intro_Info_System_2017_1.0.pdf	r1	gestione	1102.8 K	2017-02-26 - 10:58	FrancoStofi	Lezione introduttiva - Foreword S. I. a.a. 2016-17
	SI_Materiale_didattico_sez3_2015-16_(1.0).pdf	r1	gestione	286.9 K	2016-04-17 - 10:37	FrancoStofi	Lezioni S I Sez. 3 a.a. 2015-16
	SI_Programma_Didattico_2015-16_(1.0).pdf	r1	gestione	249.9 K	2016-02-20 - 22:22	FrancoStofi	Programma insegnamento SI a.a. 2015-16
	SI_Programma_Didattico_Svolto_2015-16(2.0).pdf	r1	gestione	362.7 K	2016-05-28 - 16:15	FrancoStofi	programma S.I. svolto a.a. 2015-16 (annette parti non richieste)
	SI_SEZ1_2015-16.ZIP	r1	gestione	2563.5 K	2016-02-20 - 22:50	FrancoStofi	Lezioni S I Sez. 1 a.a. 2015-16
	SI_Sez1_2016-17.zip	r1	gestione	3697.0 K	2017-02-19 - 12:06	FrancoStofi	Lezioni S I Sez. 1 a.a. 2016-17
	SI_Sez2_2015-2016.pdf	r1	gestione	1662.4 K	2016-03-29 - 15:39	FrancoStofi	Lezioni S I Sez. 2 a.a. 2015-16

Information Systems course

Student access to training material

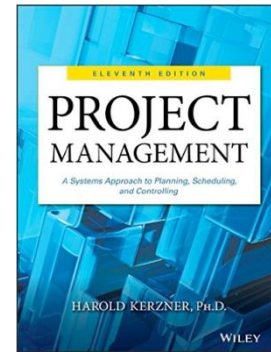
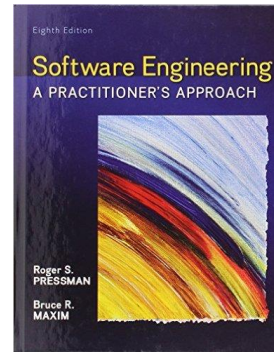
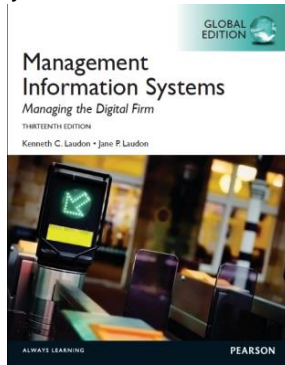
- Restricted platform: copyrighted training material
 - Warning: copyright by publisher & authors on training material
 - sect. 1&3 not to be traded/distributed
 - Credential to restricted platform access
 - students ask access by «student official mail» to faculty
 - faculty grants student access to restricted platform



Information Systems course

Textbooks (Italian/*English*)

- **Business Information Systems**
 - A. Marzona, M. Pighin: «Sistemi Informativi Aziendali» (2/ed.)
Pearson Education Italia, 2011
 - *K. Laudon, J. Laudon: «Management Information Systems - Managing the Digital Firm (13/ed.)*
Pearson Education, 2014
(<http://www.icto.info/laudon-management-information-systems-13th-global-edition-c2014-1.pdf>)
- **Software Engineering**
 - R.S. Pressman: «Principi di Ingegneria del software» (5/ed.)
McGraw-Hill Education (Italy), 2008
 - *R.S. Pressman, B.R. Maxim: «Software Engineering: A Practitioner's Approach» (8/ed.)*,
McGraw-Hill (USA), 2014
- **Project Management**
 - ISIPM: «Guida alla Conoscenze di gestione progetti» (3/ed.)
Franco Angeli, 2015
 - *H. Kerzner: «Project Management: A Systems Approach to Planning, Scheduling, and Controlling» (11/ed.)*
Wiley, 2013



Information Systems course

Question & Answers

Question

Answer

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Stay tuned!



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