

 <p>DIPARTIMENTO DI INFORMATICA <b>SAPIENZA</b> UNIVERSITÀ DI ROMA</p>	<p>Facoltà di Ingegneria dell'Informazione, Informatica e Statistica</p> <p>ANNO ACCADEMICO 2016/2017</p>	<p><b>Corso di Laurea Magistrale in Informatica</b> <i>Master Degree in Computer Science</i></p> <p>Course on "INFORMATION SYSTEMS"</p> <p>Faculty: <u>prof. F. Stolfi and prof. F. Minelle</u></p>	<p>Università Sapienza di Roma DIPARTIMENTO DI INFORMATICA Via Salaria 113, I - 00198 Roma</p>
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### LEARNING PROGRAM (planned)

#### **Sect. I: Business Information Systems<sup>1</sup>**

1. **Information Systems in Business Today**  
(A.1/D.1.1)
2. **Global E-business and Collaboration**  
(A.2/D.3.1-3)
3. **Information Systems, Organizations, and Strategy**  
(A.3/D.2.1-4)
4. **Achieving Operational Excellence and Customer Intimacy**  
(A.4/D.9.1)
5. **Enterprise Applications: ERP**  
(A.5-6/D.9.2-4)
6. **Foundations of Business Intelligence**  
(A.12/D.6.1)
7. **Databases and Info Management**  
(A.13/D.6.2-3)
8. **Enhancing Decision Making**  
(A.14/D.12.1-2)

#### **Sect.II: Quality in I.S. Development**

1. **Guidelines for I.S. development&maintenance**  
(B.6-7/F.19-21, F.29-30)
2. **I.S. Feasibility Study**  
(B.8/F.19-21, F.33.2-5, F.33.10)

#### **sez. III: Il Project Management - Basic Knowledge<sup>2</sup>**

1. **Context**  
(C.a/E.2.1-17, E.3.1-8)
2. **Techniques and Methods**  
(C.b/E.11-15, E17.1-17, E.22.1-4)
3. **Behavioural models & Interpersonal relationships**  
(C.c/E.5.1-9, E.7.2-6)
4. **Exercises**

### REFERENCE TEXTBOOKS

(see chapter ref.)<sup>3</sup>

- A) **Sistemi Informativi Aziendali** (2° ed)  
A. Marzona - M. Pighin - Pearson Education Italia., 2011
- B) **Linee guida CNIPA: Qualità forniture e servizi ICT- Manuali**  
6 - Modelli per la qualità delle forniture ICT  
7 - Governo dei contratti ICT  
8 - Analisi di Fattibilità per l'acquisizione delle forniture ICT  
<http://www.agid.gov.it/agenzia/valutazione-e-monitoraggio/manuali-ict>
- C) **Guida alla Conoscenze di gestione progetti** (3° ed.)  
ISIPM - Franco Angeli., 2015
- D) **Management Information Systems - Managing the Digital Firm** (13<sup>th</sup> ed.)  
K. Laudon, J. Laudon - Pearson Education, 2014
- E) **Project Management: A Systems Approach to Planning, Scheduling, and Controlling** (11<sup>th</sup> ed.)  
H. Kerzner - Wiley, 2013
- F) **Software Engineering: A Practitioner's Approach**  
R.S. Pressman, B. Maxim - McGraw-Hill, 2015 (8<sup>th</sup> ed.)

### SUGGESTED READINGS

- G) **Project management. La gestione di progetti e programmi complessi**  
R.D Archibald - FrancoAngeli, 2012
- H) **Managing High-Technology Programs and Projects**  
R.D Archibald - Wiley, 2003
- I) **Critical Chain Project Management**  
Lawrence P. Leach – Artech House, 2000
- J) **Il project management**  
P.L. Guida – FrancoAngeli, 2015
- K) **Guida alla certificazione per il professionista ICT**. Conforme al Syllabus 3.0  
EUCIP - AICA, 2012
- L) **Principi di ingegneria del software**  
R.S. Pressman - McGraw-Hill, 2008

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<sup>3</sup> English books in italic