

**NOVA Information Management School**

**NOVA IMS**

<b>Course</b>	Information Systems
<b>Coordinator</b>	Pedro Ruivo
<b>ECTS</b>	6
<b>Objectives:</b>	<p>Business managers face today the need for a deep knowledge on information systems potential to create value for their organizations. Firms looking for competitive advantages expect more from information systems than just the execution of repetitive tasks like wages processing or invoicing. In reality organizations count on information systems to accelerate product development, improve customer relationship and achieve other strategic objectives. In the Information Systems course we intend to promote a global reflection on information systems in the organizations covering the information systems conception, development and management in the organizations and the way they can create added value and promote business competitiveness. We will focus our attention in the ways that communication and information technologies advances are continuously redefining the roles and value of information systems in organizations and in management.</p>
<b>Curricular Unit Contents:</b>	<ol style="list-style-type: none"> <li>1. Characteristics and components of an Information System.</li> <li>2. Information Systems in organizations and their functions.</li> <li>3. The strategy, globalization and the value of information systems</li> <li>4. Planning, development and exploration of information systems</li> <li>5. Decision support systems for executive, management and operational levels.</li> <li>6. Enterprise Applications; Enterprise Resource Planning, Supply chain management, customer relationship management, and business intelligence &amp; analytics.</li> <li>7. Information systems in the management of knowledge, ethics and crime.</li> </ol>

<b>Teaching methods:</b>	Theoretical and practical classes. Case study analysis. Applied project.
<b>Grading methods:</b>	1st Option a) Continuous evaluation (participation and presence): 10% b) Case study analysis and presentation: 15% c) Applied project: 25% d) 1st Test: 25% e) 2nd Test: 25% 2nd Option a) Continuous evaluation (participation and presence): 10% b) Case study analysis and presentation: 15% c) Applied project: 25% d) Exam: 50% Note: Students will only obtain approval if they also score a minimum value of 9,5 on each tests/Exam, regardless classification attained on a), b) or c).
<b>Bibliography:</b>	<ul style="list-style-type: none"> <li>• Laudon, Kenneth C. and Laudon (2012). Management Information Systems (12th Edition), Prentice Hall, ISBN:978-0-13-607846-3.</li> <li>• O'Brien, James A. and Marakas, George (2005). Management Information Systems (7th Edition). McGraw-Hill/Irwin, ISBN:007293588.</li> <li>• Bach, Santiago O. (2001). A Gestão dos Sistemas de Informação. Centro Atlântico, ISBN: 972-8426-41-0.</li> <li>• Amaral, Luís e Varajão, João (2000). Planeamento de Sistemas de Informação. FCA, ISBN: 972-722-193-9.</li> <li>• Lopes, Filomena C.; Morais, Maria P. e Carvalho, Armando J. (2005). Desenvolvimento de Sistemas de Informação. FCA, ISBN: 972-722-461-X.</li> </ul>