

ID	3003
Curricular Unit	Design of Learning Management Systems
Regent	Carlos Alberto Rosa Ferreira
Learning Outcomes	The design and implementation of learning management systems (LMS), commonly known as e-learning, are essential for the development of future information and communication technologies in knowledge management and the teaching-learning process. Students will try to understand how the EMS evolved, which pedagogical principles and learning processes are used in these platforms.
Syllabus	<ol style="list-style-type: none"> 1. Evolution of LMS 2. Defining different Basic concepts 3. Technological platforms of the LMS 4. Pedagogical principles of the LMS 5. Processes of learning in LMS 6. Use of a Learning Management System 7. Creation and implementation of contents in LMS through Learning Objects
Evaluation	<p>Model A: Continuous assessment , which shall consist of reporting practices chips.</p> <p>Model B: Final exam integrating theoretical and practical components of the course.</p>
Bibliography	<p>Main Bibliography:</p> <p>Aggarwal, A. (2001). Web-Based Learning and Teaching Technologies: Opportunities and Challenges. London: Idea Group Pub.</p> <p>Brooks, D. Web-Teaching: A Guide to Designing Interactive Teaching for the World Wide Web. Kluwer Academic Publishers.</p> <p>Jonassen, D.H., Howland, J.L., Marra, R.M., & Crismond, D.P. (2007). Meaningful Learning with Technology (text only) 3rd edition. Prentice Hall.</p> <p>Jonassen, D.H. (1998). Learning with Technology: A Constructivist Perspective. Prentice Hall.</p> <p>Jonassen, D.H. (2003). Learning to Solve Problems: An Instructional Design Guide. Wiley, John and Sons, Incorporated.</p> <p>Jonassen, D.H. & Land, S.M. (1999). Theoretical Foundations of Learning Environments. Lawrence Erlbaum Associates, Inc.</p> <p>Additional bibliography: Provided during classes.</p>