ID	3822
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	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	Model A: Continuous assessment , which shall consist of reporting practices chips. Model B: Final exam integrating theoretical and practical components of the course.
Bibliography	Main Bibliography: Aggarwal, A. (2001). Web-Based Learning and Teaching Technologies: Opportunities and Challenges. London: Idea Group Pub. Brooks, D. Web-Teaching: A Guide to Designing Interactive Teaching for the World Wide Web. Kluwer Academic Publishers. Jonassen, D.H., Howland, J.L., Marra, R.M., & Crismond, D.P. (2007). Meaningful Learning with Technology (text only) 3rd edition. Prentice Hall. Jonassen, D.H. (1998). Learning with Technology: A Constructivist Perspective. Prentice Hall. Jonassen, D.H. (2003). Learning to Solve Problems: An Instructional Design Guide. Wiley, John and Sons, Incorporated. Jonassen, D.H. & Land, S.M. (1999). Theoretical Foundations of Learning Environments. Lawrence Erlbaum Associates, Inc. Additional bibliography: Provided during classes.