UNIVERSIDAD DE LA RIOJA

TECHNOLOGICAL DESIGN OF INFORMATION SYSTEMS

Bachelor Degree:	SOFTWARE ENGINEERING		**801G**
Course title:	Technological Design of Information Systems		**444**
Year/Semester:	3Y / 1S	**ECTS Credits:**	6

DEPARTMENT

Mathematics and Computer Science

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CONTENTS

UNIT 1. Introduction. Analysis and design of Information Systems.
UNIT 2. Introduction to Human-Computer Interaction.
UNIT 3. Object Oriented Analysis and Design.
UNIT 4. Introduction to UML. History of UML.
UNIT 5. UML. Use Case Diagrams
UNIT 6. UML. Activity Diagrams
UNIT 7. UML. Class Diagrams
UNIT 8. UML. Interaction Diagrams
UNIT 9. UML. State Diagrams
UNIT 10. UML. Other Diagrams

REFERENCES

Title
Alan Dix, Janet E. Finlay, Gregory D. Abowd, Russell Beale, Human-computer interaction (3rd ed), Harlow, Essex, U.K.: Pearson Education Limited, 2004. Reference: first floor, 1E.14 04 DIX.
Helen Sharp, Yvonne Rogers, Jenny Preece, Interaction design: beyond human-computer interaction (2nd ed) Chichester (West Sussex, England): Wiley, 2007. Reference: first floor, 1E.14 07 SHA.
Wilbert O. Galitz, The essential guide to user interface design: an introduction to guide design principles and techniques (3rd ed) Indianapolis (Indiana): John Wiley & Sons, 2007. Reference: first floor, 1E.14 07 GAL.
Brett D. McLaughlin, Gary Pollice, David West, Head first object-oriented analysis and design: [a brain-friendly guide to OOA&D], Sebastopol (California): O'Reilly Media, 2007. Reference: first floor, 1E.14 07 MCL.
Object-Oriented Analysis and Design [recurso electrónico], edited by Sarnath Ramnath, Brahma Dathan. London: Springer-Verlag London Limited, 2011: http://dx.doi.org/10.1007/978-1-84996-522-4.
Grady Booch, James Rumbaugh, Ivar Jacobson, Unified modeling language user guide (2nd ed) Upper Saddle River (New Jersey): Addison Wesley, 2005. Reference: main floor, 1E.14 05 BOO.
OMG, Unified Modeling Language (UML). Available at: http://www.omg.org/spec/UML/.

EVALUATION SYSTEM

Works and team projects
Written exam
Observation techniques