| ID | 2591 |
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| **Curricular Unit** | Information Systems |
| **Regent** | Maria Fernanda Abreu Sampaio |
| **Learning Outcomes** | Discuss the problems associated with the use of information technologies and systems in sport organizations. Present the concepts, techniques, and fundamental tools for planning, analysis, design, and development of Information Systems Using Objecteering to design the solution proposed. The work group, must utilization Microsoft Access to development the System, in the area of sports management. Consolidate knowledge through case studies. |
| **Syllabus** | Development of Information Systems Understanding Analysis and Object-Oriented Development (OO) Unified Modeling Language (UML) Presentation of the capabilities of Objecteering Tool (Case) Rules Transformation of Class Diagram to Relational Model Data Base Management Systems (DBMS). Application Development in MS Access Virtual Social Networks Analysis of cases |
| **Evaluation** | Normally each class starts with a theoretical component and expository, following the resolution of case studies, from the perspective of learning to learn, since they are constantly appearing new versions of the same software or equivalents. Problem resolution management is performed using the UML and Objecteering tool to modeling the solutions for implementation (5%) There is also a collection of exercises, projects and exams from previous years are available at Aquila, students can and should resolve to deepen their knowledge. The students must realize three (3) tests online, in Aquila (10%). In addition students will undertake a working group, consisting of the use of UML diagrams to create in Objecteering the solution and develop an application in Access. This work is an introduction to partial midterm and a final public discussion individual after completion of classes (35%). |

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| **Bibliography** | Alves, J. (2011). ACCESS 2010 – Depressa & Bem, Lisboa: FCA<br>Dennis, Wixom, Teagarden (2006) Systems Analysis and Design with UML Version 2.0: An Object-Oriented Approach, 2nd Edition<br>Gary B. Shelly, Thomas J. Cashman and Harry J. Rosenblatt (2007) Systems Analysis and Design. ISBN:978-1423912224<br>Silva, Alberto, Videira, Carlos (2005) UML Metodologias e Ferramentas CASE, Centro Atlântico, Publisher Ltd, 2ª edição - 2ª edição - Volume 1 - ISBN: 989-615-009-5<br>Rumbaugh, J., Jakobson, I., Booch, G. (2004) The UML reference Manual, Addison Wesley<br>Sampaio, Fernanda (2012) Documentação e Transparências de apoio às aulas e trabalhos da Unidade Curricular de Sistemas de Informação |