Level:	Undergraduate / Graduate	Duration:	8 x 3 hours
Technical requirements:	Internet connexion with standard compliant webbrowser	Contributors:	Jean-Paul Smets, Jacques Honoré

Description:

- The first goal is to `teach universal workflows` in companies. By doing so, students will be able to understand fundamentals of how companies are organized and how ERP systems help companies to improve their performance by managing their business process.
- The second goal is `observe how workflows are implemented in an ERP`. For this we will use ERP5 instances delivered through SlapOS to each student of this lesson. Students will then be able to practice each workflow as company staff do everyday.
- The third goal is to use information available in ERP/CRM/DMS systems and `learn how to produce useful reports`. This is performed through an introduction to Data Mining.
- The fourth goal is to `teach how to configure and ERP` through the definition of so-called categories. Since the configuration is made through a spreadsheet, no programming skills are needed and the focus is kept on management and organization rather than on technical details.
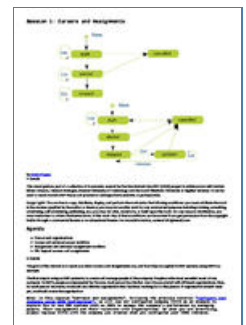
Introduction

- [Introduction to ERP and Data Mining Lecture](#)
- [Introduction to ERPs](#)
- [Request one ERP5 on SlapOS](#)
- [Install ERP5 Configurator (Minimal Setup)](#)
- [Configure your instance using ERP5 Configurator](#)

Session 1: Carreers and assignments

- [Presentation of Careers and Assignments](#)
- [Tutorial 1: How to create persons](#)
- [Tutorial 2: How to create Organisations](#)

Sessions 2: CRM Events

- [Presentation of incoming and outgoing events](#)
- [Tutorial 1: Linking persons and organisations](#)
- [Tutorial 2: How to create Events in campaigns](#)
- [Tutorial 3: How to post outgoing events](#)

Session 3: CRM Tickets and Campaigns

- [Presentation of Tickets and Campaigns](#)
- [Tutorial 1: How to create campaigns](#)
- [Tutorial 2: How to request someone to post](#)
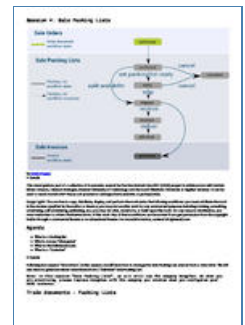- [Tutorial 3: How to process incoming events](#)

Session 4: Sales Orders

- [Presentation of sales order and products](#)
- [Tutorial 1: How to create products](#)
- [Tutorial 2: How to create Trade Conditions](#)
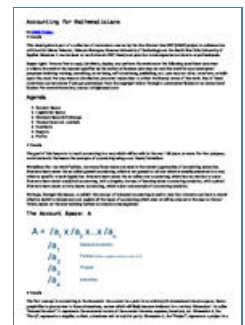- [Tutorial 3: How to create Sales Orders](#)

Session 5: Sales Packing Lists

- [Presentation of Packing Lists](#)
- [Tutorial 1: How to manage packing lists](#)
- [Tutorial 2: How to manage invoices](#)
- [Tutorial 3: How to create a payment](#)

Session 6: IFRS Accounting

- [Accounting for mathematicians](#)
- [Tutorial 1: How to create purchase invoice transaction](#)
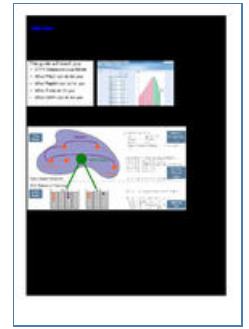- [Tutorial 2: How to create accounting report](#)

Session 7: Document Management

- Presentation of document management
- [Tutorial 1: How to manage document versioning](#)
- Tutorial 2: How to translate a document
- Tutorial 3: How to link a document to a record in ERP5

Session 8: Data Mining

- [Presentation: Data Mining Using Open Source Tools](#)
- [Tutorial: Order Prediction with the R language using ERP5](#)
- [Support document: Introduction to Python](#)

Evaluation

- [Evaluation Document](#)
- [Evaluation Spreadsheet Sample](#)
- [Evaluation Spreadsheet Template](#)