ELOIM423
Requirement engineering and decision analysis

Syllabus

Administrative information

Instructor(s): Stéphane Faulkner, Ivan Jureta

Quadrimester: 1st

Number of credits and teaching hours: 5 credits / 30 hours

Language: English

Learning outcomes

The course covers topics on ERP and enterprise integration. *ERP*: *Enterprise Integration*: this part aims at presenting issues related to integration and proposing some computer-based solutions

Content

*ERP* - In collaboration with SAP/Belgium *Enterprise Integration* - Understanding enterprise integration from the business perspective - Establishing integration architecture - Adopting enterprise standards - Developing 3 essential implementation patterns: information, application and process integration - Understanding service integration and implementing service-oriented architectures Note: we use the book "Enterprise Integration - the essential guide to integration solutions" by B. Gold-Bernstein and William Ruh (Addison-Wesley)

Table of contents

*ERP* - Exercises done on SAP with the help of SAP’s consultants - In collaboration with SAP/Belgium

*Enterprise Integration* - Exercises after each course

Teaching methods

- Courses - Case studies - Homeworks

Evaluation

- Personal work for each part (ERP & Enterprise Integration)