

Information Systems

PLD SIE

IDENTIFICATION

CODE : IF-4-S2-EC-PLD-SIE
ECTS : 4.0

HOURS

Lectures :	14.0 h
Seminars :	0.0 h
Laboratory :	32.0 h
Project :	0.0 h
Teacher-student contact :	46.0 h
Personal work :	20.0 h
Total :	66.0 h

ASSESSMENT METHOD

The evaluation of this teaching is done during the project. The modalities are :

- speech
- reports
- quizz

TEACHING AIDS

Numerical materials are available on MOODLE platform of INSA Lyon

TEACHING LANGUAGE

French

CONTACT

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AIMS

PLD-SIE is a long-time project focussing on information system life cycle, particularly on its beginning phasis. PLD-SIE also allows the practice both of project management and development methodology of information systems.

More precisely, the aim of this teaching is :

- 1) to acquire knowledge in the field of enterprise information systems on the level of methodologies and ERP (Enterprise Resource Planning).
- 2) to be aware to the problematic of enterprise digitalisation
- 3) to develop competencies for realization of such systems :
 - Modeling and building consistency models
 - Applying a method and adapt it to a project
 - Configuring project area from business referential
 - Using modeling platform such as ARIS to conceive models

CONTENT

Organisation :

A - Lectures in two parts :

1) Part 1 : the objective of this part is to allow students to build solutions of refundation or renewal of enterprise information system. The main points which are examined in this lecture are :

- Requirements analysis
- Solutions building
- Scenarii evaluation

2) Part 2 : the objective of this part is to discover :

- historic, definition, and stakes of standard, package-based Information System(ERP, Enterprise Resource Planning
- ERP technical and fonctionnal architecture
- ERP projects methodologies
- Maturity of usages and Critical Success Factors of ERP

B - Project : optimize enterprise processes. The content of this project comes from real case study. The aim is :

- to answer to a functional field
- to propose differents informatics solutions (ERP base, market solutions, specific solution, ...)
- to integrate notion of ROI (Return On Investment)

BIBLIOGRAPHY

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- [5] Alter S., Information systems : a management perspective. Benjamin/Cummings Publisher, 1996
- [6] Callaway E. Enterprise Resource Planning : Integrating Applications and Business Processes Across the Enterprise. Computer Technology Research, 1999
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- [8] Jacobs, F. and D. Wybark. Why ERP? McGraw-Hill, 2000
- [9] Kremzar M.H., M. Kremzar and T.F. Wallace. ERP: Making it happen: The implementers guide to success with Enterprise Resource Planning. Wiley, John and Sons Inc. 2001
- [10] Reix, R., Systèmes d'information et management des organisations. Vuibert, 2002

PRE-REQUISITE

IF-3-MD, IF-3-UML, IF-3-BDR, IF-3-MP, 4IF-GP

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