

Manufacturing Management

ERP Project

IDENTIFICATION

CODE : GI-4-S2-EC-ERP
ECTS : 3.0

HOURS

Lectures : 0.0 h
Seminars : 0.0 h
Laboratory : 32.0 h
Project : 4.0 h
Teacher-student
contact : 36.0 h
Personal work : 16.0 h
Total : 52.0 h

ASSESSMENT METHOD

oral individual assessment
case study report
project report

TEACHING AIDS

case study student booklet
software package SAP ERP Help
online

TEACHING LANGUAGE

French

CONTACT

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AIMS

This course belongs to teaching unit Information systems projects (GI-4-S2-UE-PRSI) and contributes to the following skills :

- Mastery of an Enterprise Resource Planning (ERP) system for production planning and management in a discrete production context
- Consciousness raising to business process integration issues

CONTENT

- Introduction and discovery of SAP ERP (structure, concepts, applications)
- Master data for production planning and sales processes: customers, materials, BOM, routings, workcenters, Cost Center,...
- Case Study : Implementation of several cross-functional business processes : sales and production planning scenarii (make to stock, assemble to order)
- Design and implementation of other scenario related to production planning (customizing)

delivered partly in French and partly in English

BIBLIOGRAPHY

Tomas J.L. [2000] : ERP et progiciels intégrés. Dunod 2ème édition.
Reix R. [2002] : Systèmes d'information et management des organisations. Vuibert 2ème édition
Dunleavy J., Hurley J.R., Gibson A., Norris G., Wrigt I. [1999] : SAP/R3 Le guide du décideur. Editions Eyrolles

PRE-REQUISITE

GI-3-IGP-S1 and GI-4-GPA-S1
Basics about production planning and management; theoretical knowledge about ERP systems : contents, stakes, ERP project management