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Manufacturing Management

Research in Industrial Engineering

IDENTIFICATIONAIMSCODE :GI-5-S1-EC-RGIThECTS :3.0A3HOURSA6Lectures :10.0 hSeminars :10.0 hLaboratory :6.0 hC1Project :0.0 hC2Seminart :26.0 hC3C3Contact :26.0 hPersonal work :30.0 hTotal :56.0 h

ASSESSMENT METHOD

Written report + Oral presentation

TEACHING AIDS

Depending on the topic of the project.

TEACHING LANGUAGE

English

CONTACT

MME BOTTA-GENOULAZ Valerie valerie.botta@insa-lyon.fr Phone : 0472436074 A3 Implement an experimental approach or a production approach A5 Process data A6 Communicate an analysis, a scientific approach, a proof or a solution in a reasoned and logical way

B2 Work, learn, evolve independently

B4 Show creativity, innovate, undertake

This teaching unit (EC) contributes to the following skills:

C1 Observing, measuring, analyzing and interpreting an activity or a system from data C2 Modeling and designing an information, decision and production system, of goods and services

C3 Evaluating, prototyping and simulating a system

C13 Considering technological and methodological innovation

Skills mobilized :

A1 Analyze a system (real or virtual) or a problem

A2 Exploit a model of a real or virtual system

C8 Managing supply in connection with the planning and inventory management policy C14 Collectively managing a project: organization, communication, group coordination C16 Identifying, analyzing and controlling the risks inherent to a project B3 Interact with others, team work

B7 Work in an international and intercultural context

CONTENT

Research methodology [8 hours]: bibliographic management tools, writing a bibliographic analysis, structure of a research article

Research project, in pairs, allowing the student to learn and experiment a research/innovation approach, on a subject proposed and supervised by a teacher-researcher, according to the following steps:

- appropriation of the subject
- formalization of the research problem and proposal of possible solutions
- development of solutions and experiments
- analysis of results, proposal of perspectives

- writing of a document respecting the editorial standards of a research article The project gives rise to a report and a defense.

BIBLIOGRAPHY

Depending on the topic of the project.

PRE-REQUISITE

Depending on the topic of the project.

INSA LYON

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