

IDENTIFICATION

Course code : E3AG5PR5
ECTS : 1

DURATION

Lectures : 6
Tutorial classes : 10
Labs : 0
Total : 16

Project :
Personnal work :

ASSESSMENT

"The UE is assessed through continuous assessments (CC) including written and oral exams, group evaluations (group work) and individual evaluations. Group deliverables. The final grade combines the grades from each activity with respective coefficients : $FG = 1/3 CA1 + 1/3 CA2 + 1/3 CA3 (HW)$ "

TEACHING MATERIALS

"The UE includes theoretical courses, tutorials, practical work based on case studies and individual assignments. The UE provides teaching materials (PPT, handouts, tables, charts, etc.) shared by the instructors."

LANGUAGE

English

CONTACT

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UE : UE5-PROD

COURSE : Production Management 1

SCOPE OF THE COURSE

OBJECTIVES

- Discover the basics of production management
- Understand planning, inventory management and quality control concepts
- Grasp the challenges of production management (constraints, specificities, waste, cost, lead time...)
- Discover the principles of Lean management

COMPETENCE AND SKILLS

- Establish a manufacturing flowchart;
- Select and size equipment based on the target finished product;
- Conduct a test and verify the proper functioning of the production line.

PROGRAM

1. Production management
2. Production processes
3. Basics of planning
4. Inventory management
5. Introduction to quality control (SPC) and standards
6. Challenges and specificities of production in the agri-food sector
7. Global approach to Lean Management

BIBLIOGRAPHY

- *Production Management*, A. Courtois, M. Pillet, Ed. d'Organisation, 2003
- E.M. Goldratt and J. Cox, *The Goal : A Process of Ongoing Improvement*, AFNOR, 1993
- D. Hutchins, *Just-in-Time*, AFNOR, 1989
- S. Shingo, *A Study of the Toyota Production System from an Industrial Engineering Viewpoint*, Productivity Press, 1989
- G. Baglin, O. Bruel, A. Garreau, M. Greif and C. Delft, *Management industriel et logistique*, Economica, 2001
- J. P. Womack and D. T. Jones, *Lean Thinking*, 1996 Techniques de l'ingénieur

REQUIREMENTS

Knowledge of accounting / business management Basic mathematics / statistics