

Project Methodologies

ECTS : 3

Description du contenu de l'enseignement :

Course Presentation

All along their professional Life journey, Students will experiment Transformation of Businesses and Innovation challenges. This class provides to them the key components of major collaborative methodologies to face these challenges.

- Lean: Optimize processes, eliminate waste, and control costs to improve quality.
- Agility: Adapt quickly to market changes thanks to short development cycles and an iterative approach.
- Design Thinking: Deeply understand user needs, build customer loyalty by creating user-centric products.

Course Structure

- Session 1: Introduction to Lean, Agile, and Design Thinking
- Session 2: Lean Principles and Tools
- Session 3: Agile Principles and Frameworks
- Session 4: Design Thinking Process and Techniques
- Session 5: Integrating Lean, Agile, and Design Thinking
- Session 6: Practical Applications and Case Studies

Compétence à acquérir :

Course Objectives and Learning Outcomes

- Introduce participants to the core principles of Lean, Agile, and Design Thinking methodologies. Learn about origins of these methodologies.
- Explore the synergies between Lean, Agile, and Design Thinking approaches
- Train students with use cases on practical tools and techniques for implementing these methodologies
- Foster the need to develop an innovative mindset that combines efficiency, adaptability, and user-centered design.
- Explain limitations of each of these methodologies and update to date evolution

By the end of this course, students are able to:

- Understand needs of methodologies to drive change and foster innovation
- Explain the fundamental principles of Lean, Agile, and Design Thinking methodologies and historical facts
- Leverage key tools such as value stream mapping, Kanban boards, A3 problem-solving, scrum, customer journey or empathy mapping. Apply Design Thinking principles to enhance user-centered solutions
- Contribute effectively to an innovation project or improvement initiatives within their professional life
- Develop strategies for overcoming common challenges that are facing companies during their transformation
- Identify opportunities for applying learned concepts in their own work environment at Dauphine or in their apprenticeship

Mode de contrôle des connaissances :

- Class Participation: pre-requisites 20%
- Group Project (managed during class hours): 40%
- Individual Assignments (multiple choices question): 40%

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