



PROCÉDÉS DE CONCEPTION AVANCÉE

ADVANCED DESIGN PROCESSES

Lecturers: **Olivier DESSOMBZ**

| Lecturers : 18 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

Awareness of sustainable development issues and the ecodesign approach. The purpose of setting the context is to re-anchor the engineering student in a societal reality. Use examples to integrate the concepts and put them into practice. Through creativity exercises, learn to develop the ability to project towards future scenarios.

Keywords : Eco-design, circular economy, environmental and social impacts, sustainable development

Programme

From the planet to the products:

- Approach to sustainable development, social responsibility of organizations.
- Limits of resources.
- Ecosystem services, biomimicry.
- Issue of sustainable development, social responsibility of organizations, dimension environmental, social, societal.
- The challenges of eco-design in your design strategy.
- Sustainable development, environmental impacts, eco-design, life cycle ...
- Define the basic functional unit of any Life Cycle Analysis (LCA).

Learning outcomes

- To be able to integrate environmental and social criteria into the design process.
- Understanding of social, environmental, planetary and local issues.
- Create new paradigms, innovate, question what already exists.

Independent study

Objectifs : This activity is not concerned with framed autonomy activities outside personal work.

Méthodes : This activity is not concerned with framed autonomy activities outside personal work.

Core texts

Assessment

mini-project