

Aircraft conceptual design

Titulaire

Patrick HENDRICK (Coordonnateur)

Mnémonique du cours

MECA-H508

Crédits ECTS

5 crédits

Langue(s) d'enseignement

Anglais

Période du cours

Deuxième quadrimestre

- > In-depth knowledge and understanding of integrated structural design methods in the framework of a global design strategy
- > In-depth knowledge and understanding of the advanced methods and theories to schematize and model complex problems or processes
- > Correctly report on research or design results in the form of a technical report or in the form of a scientific paper
- > Present and defend results in a scientifically sound way, using contemporary communication tools, for a national as well as for an international professional or lay audience
- > Has a broad scientific knowledge, understanding and skills to be able to design, produce and maintain complex mechanical, electrical and/or energy systems with a focus on products, systems and services.
- > Has an in-depth understanding of safety standards and rules with respect to mechanical, electrical and energy systems.

Pré-requis et co-requis

Cours pré-requis

MECA-Y003 | Aircraft structures | 4 crédits

Méthodes d'enseignement et activités d'apprentissages

Contribution au profil d'enseignement

This teaching unit contributes to the following competences:

- > In-depth knowledge and understanding of exact sciences with the specificity of their application to engineering

Méthode(s) d'évaluation

Autre

Programmes

Programmes proposant ce cours à l'école polytechnique de Bruxelles

MA-IREM | **Master : ingénieur civil électromécanicien** | finalité Spécialisée/bloc 2