

Academic year 2024/2025

Courses offered by the programme

Génie Mécanique et Automatique (GMA) Mechanical and Control Systems Engineering

Semester(s) :

Curricula are organized in groups of courses (Unités d'Enseignement (UE)), consisting of several courses (Eléments Constitutifs (EC)). An EC is a teaching module including lectures (cours magistraux (CM)), tutorials (travaux dirigés (TD)), laboratory work (travaux pratiques (TP)), projects (PR), conferences (CONF), personal work (TA) and possibly other pedagogical activities (DIV). Some internships (stages (ST)) are compulsory

Commonly used abbreviations

CM : Lectures
TD : Tutorials
TP : Laboratory Work
CONF : Conferences
TA : Personal Work
PR : Project
ST : Internship
DIV : Miscellaneous

Integration of environmental impacts in construction	GCU09-SPEC-IIEC
Number of hours : 18.00 h	1.00 ECTS credit
TD : 18.00 h	
Reference Teacher(s) : FLISCOUNAKIS AGNES	

Objectives :

Ask students to analyze civil engineering design/management/rehabilitation projects in order to minimize their environmental impact. Main objectives: Understand the issues at stake, See the implications in terms of design and possible technical choices, Carry out a critical analysis.

Content :

Taking sustainable development into account in construction entails action that can be considered from two angles: how to maintain the level of performance of each function of use over time, and how to choose a strategy of action with the best possible efficiency in the use of resources. The work consists of case studies in small groups. A presentation to the whole class is planned at the end of the project

Bibliography :

Requirements :

Concepts of life cycle analysis.

Organisation :

Group work on a project.

Evaluation :

Oral presentation of the group's work and submission of presentation material. Participation in work sessions.

Target :

5GCU