LIBRE

Microprocessor architecture

Titulaire
Dragomir MILOJEVIC (Coordonnateur)

Mnémonique du cours
ELEC-H473

Crédits ECTS
5 crédits

Langue(s) d'enseignement
Anglais

Période du cours
Deuxième quadrimestre

Pré-requis et co-requis

Cours ayant celui-ci comme pré-requis

STAG-H502 | Internship (2 months) | 6 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 the advanced methods and theories to schematize and model complex problems or processes

- Reformulate complex engineering problems in order to solve them (simplifying assumptions, reducing complexity)

- Correctly report on research or design results in the form of a technical report or in the form of a scientific paper

- Collaborate in a (multidisciplinary) team

- Work in an industrial environment with attention to safety, quality assurance, communication and reporting

- Think critically about and evaluate projects, systems and processes, particularly when based on incomplete, contradictory and/or redundant information

- A creative, problem-solving, result-driven and evidence-based attitude, aiming at innovation and applicability in industry and society

- A critical attitude towards one's own results and those of others

- The flexibility and adaptability to work in an international and/or intercultural context

- An attitude of life-long learning as needed for the future development of his/her career

- Has an active knowledge of the theory and applications of electronics, information and communication technology, from component up to system level.

- Has a broad overview of the role of electronics, informatics and telecommunications in industry, business and society.

- Is able to analyse, specify, design, implement, test and evaluate individual electronic devices, components and algorithms, for signal-processing, communication and complex systems.

Méthode(s) d'évaluation

Autre

Programmes

Programmes proposant ce cours à l'école polytechnique de Bruxelles

MA-IREL | Master : ingénieur civil électricien | finalité Spécialisée électronique et technologies de l'information/bloc 1 et MA-IRIF | Master : ingénieur civil en informatique | finalité Spécialisée/bloc 1

Programmes proposant ce cours à la faculté des Sciences

MA-INFO | Master en sciences informatiques | finalité Spécialisée/bloc 1