

# Circuits logiques et numériques

**Lecturer**

Dragomir MILOJEVIC (Coordinator)

**Course mnemonic**

ELEC-H305

**ECTS credits**

5 credits

**Language(s) of instruction**

French

**Course period**

First term

## Course content

Boolean Algebra. Optimization of logic functions (K-Maps, Quine Mac-Cluskey). Synthesis of the combinatorial and sequential asynchronous and synchronous Logic Circuits.

## Pre-requisites and co-requisites

### Co-requisites courses

ELEC-H2001 | Electromagnétisme | 5 crédits

## Teaching method and learning activities

### References, bibliography and recommended reading

Principle of Digital Design, Daniel D. Gajski (Trentia Hall)  
Introduction to Logic Design (2nd Edition), Sajjan G. Shiva (Marcel Dekker)

## Other information

### Contact(s)

Dragomir MILOJEVIC (dragomir.milojevic@ulb.ac.be)

## Evaluation method(s)

Other

## Programmes

Programmes proposing this course at the  
Brussels School of Engineering

BA-IRCI | Bachelor in Engineering Sciences | option Bruxelles/unit 3