

Informatique

Lecturer

Thierry MASSART (Coordinator)

Course mnemonic

INFO-H100

ECTS credits

5 credits

Language(s) of instruction

French

Course period

First term

Course content

The course has three parts. Part I: 1. Information representation; 2. Material organisation of a computer; 3. Notion of operating systems and network 4 Programming environment. Part II: 1. basic programming concepts: variable - instructions - function - array; 2. -Simple algorithms handling arrays: searching, sorting, arrays manipulation. Part III: 1. Processor architecture; 2. instruction set and run-time architecture, RAM and I/O management; 3. structure of the ROM; 4. introduction to the concurrency problems.

Objectives (and/or specific learning outcomes)

1. Learn how a computer works and what it can do. 2. Have an active knowledge of basic algorithmic and C++ programming. 3. Understand the run-time of a program in a computer.

Pre-requisites and co-requisites

Courses having this one as pre-requisit

INFO-H2001 | Programmation orientée objet | 5 crédits and INFO-H303 | Bases de données | 5 crédits

Teaching method and learning activities

Ex-cathedra course- Programming practical works - 2 programming projects

References, bibliography and recommended reading

> Syllabi available at Presses Universitaires de Bruxelles - Jan Skansholm, C++ From the Beginning. Addison + Wesley, 1997.

Other information

Contact(s)

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Evaluation method(s)

Other

Programmes

Programmes proposing this course at the Brussels School of Engineering

BA-IRCI | Bachelor in Engineering Sciences | option Bruxelles/unit 1