

Algorithmes et programmation II

Lecturer

Joël GOOSSENS (Coordinator)

Course mnemonic

STIC-B455

ECTS credits

5 credits

Language(s) of instruction

French

Course period

Second term

Course content

Advanced algorithms and programming elements of the processing language.

Objectives (and/or specific learning outcomes)

Understanding computer science as a scientific tool. Having critical thinking concerning problems which can be resolved by means of programming and algorithms. Understanding the divide and conquer paradigm and the procedural technique.

Pre-requisites and co-requisites

Courses having this one as pre-requisit

STIC-B501 | Projet : stage en entreprise | 10 crédits and STIC-B505 | Conception et gestion de banques de données | 5 crédits

Teaching method and learning activities

Lectures, practical exercises; course taught in French.

Contribution to the teaching profile

COMPREHENDING NEW KNOWLEDGE

- Applying methods and techniques acquired during the BA to another field of study by demonstrating intellectual openness

- Acquiring the methodological and practical knowledge necessary to design and manage an information system

DEEPENING SPECIALIZED KNOWLEDGE

- Understanding and mastering specialized concepts in the field of Information Science

BEHAVING PROFESSIONALLY

- Displaying analytical and synthetical thinking, contextualization skills, rigor and consistency
- Demonstrating critical thinking and autonomy

Other information

Contact(s)

Teaching assistant : Julien Jabon email : julien.jabon@ulb.ac.be -
Lecturer : Joël Goossens email : joel.goossens@ulb.ac.be - Virtual University direct link : <http://uv.ulb.ac.be>

Evaluation method(s)

Other

Evaluation method(s) (additional information)

The practical and theoretical understanding of the course will be tested during a written examination. The personal and mandatory projects will be evaluated during an oral exam.

Determination of the mark (including the weighting of partial marks)

Distribution of the learning activities in the grading system : theoretical part (60%) - practical part (40%)

Main language(s) of evaluation

French

Programmes

Programmes proposing this course at the faculty of Letters, Translation and Communication

MA-STIC | Master in Information and Communication Science and technology | finalité Professional/unit 1