

Programmation Impérative 2



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique
d'Informatique
d'Hydraulique
et des
Télécommunications

In brief

> **Code:** N5EN06B

Presentation

Objectives

Specify, define and test a program using an imperative programming language offering modularity and genericity.

Description

Core concepts of imperative programming are taught and manipulated using a pseudo-language for recitation classes and using ADA for labs.

These concepts are: imperative algorithmics (sequence, repetitions, conditionals), refinement method, sub-program decomposition (procedures and functions) and programming modules, data structures (arrays, records, enumerations, linked structures), genericity, recursivity, tests, offensive programming (by contract) and defensive (exceptions), abstract data types, dynamic memory allocation.

Pre-requisites

Programmation Impérative 1.

Students are asked to apply the core concepts of Programmation Impérative 1 in a larger programming project in ADA.

Useful info

Place

› Toulouse