

software engineering



Component

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

In brief

- › **plugin.odf-inp:PLUGINS_ODF_COURSE_NBHOURS_TXT:** 10
- › **Code:** NEGC4A

Presentation

Objectives

This course illustrates how to deploy a development process using the Unified Modeling Language (UML), focusing mainly on embedded systems.

Students are confronted with the semantics of language and the use of multiple diagrams for system design.

Description

The course is composed of two parts, each one organised into chapters:

Part 1 – Embedded systems

Chapter 1 : Introduction to the development of embedded systems

Chapter 2 : Constraints and non-functional specifications

Chapter 3 : Hardware and software design elements

Part 2 – Object-Oriented Development

Chapter 4 : Generalities on software engineering

Chapter 5 : Unified Modeling Language (UML)

Chapter 6 : A light-weight object-oriented development process

Pre-requisites

Algorithmics and object oriented programming

Useful info

Place

› Toulouse