

Project Management (5 ECTS)

- Project Analysis : UML Schemas
- Project Management
- Practice : Project to manage from the analysis to the implementation in Java

Databases (5 ECTS)

- Analysis and Conceptual Design of Databases using Entity-Association Model
- Relational Databases
- SQL Language
- Practice : SQL Exercises with Oracle RDBMS
- Project of creation and use of a relational database

Advanced Object Oriented Programming (5 ECTS)

Prerequisites

Basic concepts of object oriented programming in Java such as : object, class, inheritance, information hiding (getters/setters), polymorphism

- Application Architecture : MVC, 3-tiers, ...
- Access to Relational Databases
- Practice : Project to implement in Java with access to a relational database

Enterprise Network Services (labs) (4 ECTS)

Monitoring a network, Mail service in a network, Virtualization in a network

Operating System Oriented Programming (labs) (3ECTS)

Scripting and AD integration (powerShell and WMI query)

High Availability Enterprise Networks (course + Labs) (5 ECTS)

Advanced Routing and Switching: scaling networks

French for Foreigners (3 ECTS)

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