Computer Engineering 2

SCHOOL
Polytech Graduate School of Engineering

CAMPUS
Belle-Beille

LEVEL
Engineering 3rd year

OPEN TO EXCHANGE STUDENTS
Yes

SEMESTER
Spring (S2)

- **Degree course:** Quality, Innovation and Reliability Engineering
- **Teaching unit:** Engineering Science
- **Course language:** English
- **Duration (hours):** 16
- **ECTS:** 1
- **Teacher(s):** Alexis Todoskoff

Assessment:

- [x] Continuous assessment
- [ ] Final exam

Teaching methods:

[x] Lecture course	4	hours	[ ] Case study
[x] Tutorial course	5.33	hours	[ ] Project
[x] Practical work	6.67	hours	

COURSE DESCRİPTİON

A mix of theoretical and practical activities
- - Principle of the method MERISE
- - Conceptual Data Model
- - Conceptual Model of Treatment
- - Organizational Model Treatments
- - Organizational Data Model
- - Logical Data Model
- - Treatments of Logic Model
- - Data Model and Physical Treatments
- - Design and develop an RDBMS in Access - project:
- The aim of this project is to apply the MERISE design method to a concrete example and become familiar with Relational Database Management System in a Windows environment (ACCESS). This work is done in groups of 2 students.

OBJECTİVES

Students will know how to:
- apply the method MERISE design and realization of an information system.
- use Access (relational DBMS Windows).
- design and produce an Information System with Access MERISE applying the method on a concrete example

PREREQUİSİTES

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SELECTİVE BİBLİOGRAPHY

Comprendre Merise: Outils conceptuels et organisationnels de Jean-Patrick Matheron

- Exercices et cas pour comprendre MERISE de Jean-Patrick Matheron
- Techniques de l'ingénieur: section Génie industriel/Management industriel