

UE Academic and industrial challenges



Level
Baccalaureate
+5



ECTS
3 credits



Component
UFR IM2AG
(informatique,
mathématiques
et
mathématiques
appliquées)



Semester
Automne

- > **Teaching language(s):** English
- > **Teaching method:** In person
- > **Teaching type:** Lectures
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** GBX9CO09

Presentation

Description

This course offers the possibility for the students to gain some experience by facing open/difficult combinatorial problems.

The goal is to model and solve a combinatorial problem with direct industrial applications. We expect the students to take a variety of approaches (local search, compact/extended linear programming formulations, constraint programming, ...) and establish useful results (lower bounds, cuts, complexity,...).

The experimental results will be compared to the literature (a known academic open benchmark will be available in this case) or will be validated by the industrial partner.

Course parts

CM Lectures (CM) 18h

Period : Semester 9

Useful info

Contacts

Program director

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Program director

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Place

› [Grenoble](#)

Campus

› [Grenoble - University campus](#)