

- Faculté des sciences
- www.unine.ch/sciences

Software Skills Lab (3IN2058)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en informatique	Cours: 4 dj	Voir ci-dessous	5

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Automne

Equipe enseignante

Pr Valerio Schiavoni (and other teachers from UniBE and UniFR)
Assistant: Salvatore Busiello (only at UniNE)

Contenu

This course will provide the basis of the analysis of complexity, understanding the performance trade-offs, and impact of the underlying algorithm choices on the systems.

his 5 ECTS course is a common teaching unit of the three BeNeFri universities which ensures that students have a basic level of programming skills when starting their Master's studies.

The course spans one full semester and takes place every week. It comprises three themes:

Data structures and representation (UniBE)
Algorithms and complexity (UniNE)
Data analysis (UniFR)

Each theme is taught in a different university.

Each session in a theme revolves around a particular problem and builds on top of the previous sessions. Students should complete exercises of a previous session before a new one starts.

Note that this course is organized in 3 modules, 5 weeks at UniBE, 4 weeks at UniNE, 4 weeks at UniFR. The lectures at UniNE take place in weeks 6, 7, 8, and 9.

The 4 modules taking place in UniNE occur in room E-003, UniMail building.

Forme de l'évaluation

Control continu, with some non-graded exercises during the semester. One final written test at the end of the semester (last week of the semester).

Modalités de rattrapage

Oral exam.

Documentation

Provided via Moodle or other CMS or online. No book.

Pré-requis

Some background on java programming helpful but not required. Some of the programming preliminaries are given by the first module of this course.

Forme de l'enseignement

Written exam (2 hours). Non-graded weekly assignments.

URLs	1) https://moodle.unine.ch/course/view.php?id=14300
------	--

- Faculté des sciences
- www.unine.ch/sciences

Software Skills Lab (3IN2058)

URLs	1) https://moodle.unine.ch/course/view.php?id=14300
------	--