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

Software Skills Lab (3IN2058)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en informatique	**Laboratoire: 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

Dr Valerio Schiavoni

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.

Students will develop a simple yet complete system developed during the course of the 4 weeks, e.g. a distributed key-value store with some caching layer. We will look at different caching eviction policies and how the underlying data structures affect the performances of the different algorithms.

Note that this course is organized in 3 modules, each one of 4 weeks.
The lectures in Neuchatel are only 1 module (4 lectures) out of the 12 overall.

The 4 modules taking place in Neuchatel occur in room B-316, UniMail building.

Forme de l'évaluation

Lab and practical sessions

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) and 4 weekly assignments.

URLs	1) https://moodle.unine.ch/course/view.php?id=6845