

MIF1 – rentrée

`www.ens-lyon.fr/DI`

To start with

- ▶ Second semester abroad
 - “ENS Lyon / international / partir à l'étranger”
 - Paulo Goncalves
 - ▶ deadline: september 15 (!)
 - ▶ first thing to do: get in contact with P. Goncalves

- ▶ Département des langues

Introducing

Amel Zagrarni

secrétariat du Département d'Informatique

Introducing

Boumediene Brikci-Sid

Eugenia Oshurko

Vu Xuan

Harold Yampa

Registration

- ▶ ENS Lyon:
dealt with on sept. 14th and 15th
- ▶ UCBL: *for those who were registered @Lyon 1 last year*, go to <http://inscriptionweb.univ-lyon1.fr/> starting on sept. 14th

The academical year

first semester

Toussaint

Hiver

Visit EPFL (Lausanne)

research schools

second semester

training period

defense, final jury

14 weeks in total

14 sept.-??

25 oct. - 1 nov.

19 dec. - 3 jan.

to be determined (likely nov.)

7-11 dec.

11-15 jan.

??

10 weeks in total

?? (end jan/beginning of feb - mid may)

may – august (11 weeks)

end of august / beginning of september

sept. 14th, 16.00: DI meeting (espace Mérieux)

Courses in computer science

▶ first semester

- ▶ English (FLE)
- ▶ Integrated Project 1 (**mandatory**) (IP1+IP2 = 14 weeks)
- ▶ Performance Evaluation and Networks
- ▶ Compilers and Program Analysis
- ▶ Information Theory
- ▶ Parallel and Distributed Algorithms and Programs
- ▶ Optimisation and Approximation

6 ECTS

▶ second semester

- ▶ English (FLE)
- ▶ Integrated Project 2 (**mandatory**)
- ▶ Cryptography and Security
- ▶ Computer Algebra
- ▶ Semantics and Verification
- ▶ Distributed Systems
- ▶ Programs and Proofs
- ▶ Data Bases and Data Mining
- ▶ Computational Complexity
- ▶ Computational Geometry and Digital Images

3 ECTS

The rules: credits, grades

| | |
|----------------------|-----------|
| ▶ first semester | |
| ▶ Projet Intégré 1 | 3 |
| ▶ Anglais (FLE) | 3 |
| ▶ 4 courses | 24 |
| ▶ 2 research schools | 3 |
| ▶ second semester | |
| ▶ Projet Intégré 2 | 3 |
| ▶ Anglais (FLE) | 3 |
| ▶ 4 courses | 12 |
| ▶ training period | 9 |
| total | 60 |

- ▶ for each computer science course except Projet Intégré

$$NF = \frac{2}{3}NE + \frac{1}{3}CC$$

- ▶ research schools: pass or fail (no grade)
- ▶ the mean is computed with all courses,
provided $NF \geq 8$
- ▶ $\geq 10 \rightarrow$ M1 ok
- ▶ $\geq 12 \rightarrow$ admission into M2@ENSL

M1IF 2015-2016 – Emploi du temps semaine 14-18 septembre 2015

| LUNDI | MARDI | MERCREDI | JEUDI | VENDREDI |
|--|--|---|--|---|
| 8 h 00 à 10 h 00 | 8 h 00 à 10 h 00 TP CAP <i>Salle E001</i> <i>L. Gonnord, S. Castellan</i> | 8 h 00 à 10 h 00 | 8 h 00 à 10 h 00 Projet Intégré <i>Amphi B</i> <i>E. Caron, O. Kupriianova, S. Filip</i> | 8 h 00 à 10 h 00 |
| 10 h 15 à 12 h 15 Algo et Prog Parall et Distrib <i>Amphi B</i> <i>F. Vivien</i> | 10 h 15 à 12 h 15 Evaluation de Perf et Réseaux <i>Amphi B</i> <i>É. Thierry</i> | 10 h 15 à 12 h 15 Compilation et analyse de Prog. <i>Salle 116</i> <i>C. Alias, D. Hirschhoff</i> | 10 h 15 à 12 h 15 TD TI <i>Salle B1</i> <i>T. Pécatte</i> | 10 h 15 à 12 h 15 Optimisation et Approximation <i>Amphi B</i> <i>S. Thomassé</i> |
| 13 h 30 à 15 h 30 Théorie de l'Information <i>Amphi B</i> <i>O. Fawzi</i> | 13 h 30 à 15 h 30 | 13 h 30 à 15 h 30 TP EPR <i>Salles 125 et 171</i> <i>B. Simon</i> | | 13 h 30 à 15 h 30 TP APPD <i>Salle E001</i> <i>H. Croubois, A. Cavelan</i> |
| 16 h 00 à 18 h 00 Anglais | 16 h 00 à 18 h 00 TD OA <i>Salle B1</i> <i>S. Barbieri</i> | 16 h 00 à 18 h 00 Anglais | | |

wednesday,
sept. 23rd,
8h-10h?

 Français
 English

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« [Timetables for the M2 2015-2016](#)

[First year of Masters In Computer Science](#) »

M1, 2015-2016, useful information

This page gathers useful informations for students following the first year of Master in Computer Science at École Normale Supérieure de Lyon. See [here](#) for a description of the M1 year.

Back to school.

Courses will start on september the 14th. See [here](#) for a schedule of that week.

A (mandatory) meeting is organised on [september 10th, at 15.30](#), in Amph I.
The organisation of the year, and several other relevant topics, will be discussed. The venue will be announced later.
There is no dress code.

A meeting of the whole Département d'Informatique will take place on monday, sept. the 14th, at 16.00, in atrium Mérieux (not far from the fountain on the round square next to the Monod site of ENS).

First semester.

Relevant (but possibly incomplete) information available at:

<http://www.ens-lyon.fr/DI/?p=4081&lang=en>

To do — first weeks

- ▶ follow all courses, choose afterwards

put the “fiche de choix de modules” in my mailbox

(3d floor, between the north and south parts of the building)

for tuesday, sept. the 29th, at noon

- ▶ find it on ens-lyon.fr/DI
- ▶ arrange a meeting with your tutor, discuss with me if necessary
 - ▶ tutors: announced on sept. 14th, mostly like last year
- ▶ [write to me](#) for particular choices (maths, philosophy, etc.)
- ▶ tell me before the 28th if there will be a delay
(doubts, tutor out of town...)
- ▶ *trouble* if you are not on time

Modus vivendi

- ▶ organigramme

N. Trotignon DI

A. Benoit Master (and M2)

A. Zagarni

ministre de l'administration

P. Goncalves

ministre des affaires étrangères

D. Hirschhoff

ministre du M1

...

ministre de ...

(LSH, Lyon1, INSA, ...)

- ▶ various informations

<http://www.ens-lyon.fr/DI/?p=3399>

- ▶ I receive the emails on `m1if.2015-2016.etudiants@ens-...`
- ▶ there are possibilities for *soutien* (catch up)
 - contact the corresponding teacher + me
- ▶ je voudrais deux délégués
- ▶ you are supposed to attend courses and TDs
- ▶ get in touch with me (for anything) **via email**
- ▶ you are supposed to **read** and **answer** your email @ens-lyon
 - changes in the schedule, (official status)
 - tell whenever you will have to miss some courses/TDs, ...

Various — this year

- ▶ le diplôme de l'ENS Lyon

find relevant information on the *portail des études de l'ENS Lyon*

- ▶ concours ENS Cachan

If you plan to apply, please keep me informed

- ▶ préparation à l'agrégation

let's work with double negations ($\neg\neg A \Rightarrow A$)

Who is not certain that she/he won't follow the *preparation à l'agrégation* next year ?

Qui ne sait pas de manière définitive qu'il/elle ne préparera pas l'agrégation l'an prochain ?

This year, and the future

Internship, next year

- ▶ internship
 - ▶ **research**
 - ▶ ≥ 11 weeks, abroad or in industry
 - ▶ there will be a meeting dedicated to the internship
 - ▶ person in charge: F. Vivien
- ▶ next year
 - ▶ M2
 - ▶ here
 - ▶ or elsewhere (e.g.: robotics, machine learning, networks, etc.)
 - ▶ or préparation à l'agrégation
 - ▶ or something else

Goals during this year

- ▶ you are students
 - ▶ the curriculum is rather rigid
 - ▶ we view our M1(.1) courses as basic stuff
- ▶ most of you will eventually become researchers
 - ▶ SIESTE (students seminar)
 - ▶ research schools 1 week, 24 hours
 - ▶ *training period*
 - ▶ get deeper into a subject: take initiatives, involve your teachers
 - ▶ e.g. reading group

Some advice

- ▶ one might like several scientific subjects (or none)
- ▶ one might be unsure whether research is the future
- ▶ one might quite busy with students life

- ▶ the training period a very good pretext to think about your future
 - ▶ warning: it might not be that easy
 - ▶ to decide for a subject
 - ▶ to find a training period
 - ▶ to live abroad for 3 months
 - ▶ waiting for us to put pressure on you is not a good solution
- ▶ try not to hurry being narrow-minded
- ▶ let's meet and talk