# MIF1 – rentrée 2020

`www.ens-lyon.fr/DI`

# Courses, first semester

▶ English (FLE) (mandatory)

▶ Integrated Project 1 IP1 PI1 (mandatory)    (IP1+IP2 = 14 weeks)

1. Performance Evaluation and Networks PEN EPR
2. Compilers and Program Analysis CPA CAP
3. Information Theory IT TI
4. Parallel and Distributed Algorithms and Programs PDAP APPD
5. Optimisation and Approximation OA

# Other courses

- the typical menu is    IP + english + 4 CS courses

- what if I want to follow a course in maths? (for instance)
    - following and validating the course
      it is up to you (find the schedule, find an agreement with
      teachers in case you cannot attend some classes)
    - does the course count for the M1 IF ?
      no, but it can count for the *Diplôme de l'ENSL*
- let me know, we can discuss about this

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- maths is just an example
  other examples: japanese A1, epistemology

# Choosing courses

- follow all courses, then choose

- let me have the *"fiche de choix de modules"*
**no later than wednesday, sept. the 23th, at noon**
- signed by you and your tutor (tutors to be announced later)
- in my mailbox (3rd floor, between north and south parts of the building),
- or a scanned version by email

▶ find it on the www page for the M1
▶ arrange a meeting with your tutor
  ▶ most likely, your tutor is the same as previously if you had one
  ▶ if not, you will know soon, treat me as your tutor in the
    meantime if necessary

  contact your tutor **early enough**
▶ write to me for specific discussion/choices of courses
▶ tell me *in advance* if there will be a delay
  (doubts, tutor out of town...)

*Modes of teaching*

*the implementation of this may change
depending on the evolution of the sanitary crisis*

# How to attend courses and exercises: 4 options

1. **live**: everybody in the same room, sitting next to eachother, possibly with only a door a no window in the room
   this is the past, maybe the future at some point, certainly not the present
2. **at a distance**: everybody, teacher and students, sits in front of a computer
3. **hybrid**: there are two groups, and two teachers/teaching assistants. One group is live (1), the other is at a distance (2)
4. **comodal**: a group of students is in the room with the teacher, the rest of the students are at home. The teacher uses a technology which allows her/him to stream the course live.

▶ TDs/TPs will be **hybrid**
▶ courses will be either **at a distance** or **comodal** (see www)
   there are 2 groups, and they swap every week

# Administrative registration

- even if you are not in Lyon at the moment, you have to be registered as a student of the M1 (first year of Master)

- Zoe Michal-Sihalath (zoe.michal-sihalath@ens-lyon.fr) deals with this

*Interacting along the M1 year*

# Resources

- the webpage for the M1 IF 2020-2021
  https://pad.inria.fr/p/r.14d360dc2550cb7952e0234cf77b86fe

  pwd: M1IF2021

  see there for the schedule and local updates to the schedule,
  and various information (including dates&holidays)

- a description of the M1
  http://www.ens-lyon.fr/DI/en/formations/m1-informatique-fondamentale/

  see also http://www.ens-lyon.fr/formation/catalogue-de-cours
  and http://www.ens-lyon.fr/formation/catalogue-de-cours-2020-2021

# Means of communication

- ▶ the webpages mentioned before

- ▶ we *all* are on      `m1if@listes.ens-lyon.fr`
  *(including myself!)*

- ▶ discord/signal conversations
- ▶ two class represenrants?
  *let us meet at some point*
- ▶ people in charge
  - ▶ your tutor
  - ▶ myself
  - ▶ head of department Damien Stehlé
  - ▶ international affairs Natacha Portier
  - ▶ administration Zoe Michal-Sihalath

# Modus vivendi - keep in mind that. . .

- ▶ you are supposed to attend courses and TDs
- ▶ get in touch with me (for anything) **via email**
    - I'm available to talk, but let's agree on a time slot before

- ▶ you are supposed to **read** and **answer** your email @ens-lyon
    - (this has an official status)
        - · changes in the schedule, ..
        - · projects due, midterm exams, ..
        - · meetings with your tutor / me / the head of department, ..
- ▶ and **write** as well
    - · tell <u>in advance</u> whenever you will have to miss some courses/TDs,  . . .

# First semester — warnings

- the first semester is intensive and tough
  - according to most of last year's students
  - not much choice for the courses
  - pressure towards the end of the semester
- organisation:
  - rely on your class representants if too many deadlines collide anticipate as much as possible (10 days ahead = too late)

  - following 5 courses in computer science can be a good choice, but not always
  - there are possibilities for *soutien (catch up)*

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- things get smoother in the second semester
- things get lovely during the summer internship

# Research Internship

- after the second semester (starting towards the end of april)
- do **research** work
- $\geq$ 12 weeks, abroad or in industry
- person in charge: Éric Thierry

*meeting with Éric Thierry to be organised in the next weeks*

# Next year(s)

- M2
    - here
    - or elsewhere (robotics, machine learning, networks, vision,…)
- préparation à l'agrégation
- grands corps de l'état
- concours ENS Cachan
- or something else

*meeting with Damien Stehlé to be organised in the next weeks*

# Goals during this year

- you are students
  - the curriculum is rather rigid
  - we view our M1.1 courses as basic/ground stuff

- most of you will eventually become researchers
  - students seminar
    - usually in french
  - second semester is more research-oriented
  - *training period*
  - get deeper into a subject: take initiatives, involve your teachers (e.g. reading group)

# To sum up

- follow all courses at least at the beginning
- choose your computer science courses for <span style="color:red">sept. 23th</span>
- deal with the administrative registration

- and by the way, choose your english course online on sept. 21-22

Questions: write to me, we can arrange a meeting if necessary

*Centre de langues*