

#### **Your Team**

Lecturer: J.-Y. Le Boudec

**Teaching Assistants** 

Marguerite Delcourt

Dr Alaeddine El Fawal (head TA)

Ehsan Mohammadpour

Dr Stephan Plassart

Hossein Tabatabaee



#### Whom is this course for ?

Master students in electricity, communication systems and computer science, all branches of engineering

#### Requirements

Experience with using one programming language

No prior knowledge of TCP/IP is required

We will practice with computers in a virtual environment – expect to spend time on your computer

### The RAKE philosophy

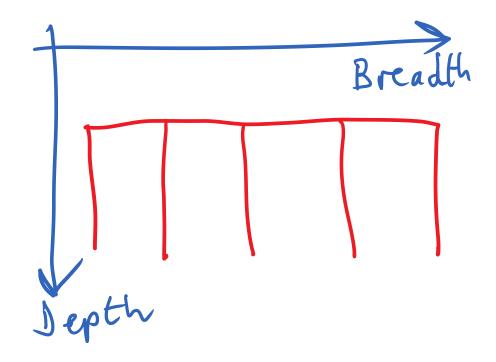


Viewpoint 1: « I want this course to teach me all the details of all networking protocols »

Viewpoint 2: « TCP/IP is a mountain of details, I will learn when and if the need arises »

We will use the RAKE philosophy

- -Depth by a few carefully selected labs
- -Breadth by systematic concepts



### What, Why, How

I will try and teach you to always ask first

Why was this stuff invented, what problem is it solving?

What is it doing?

before asking:

**How** does it do its job?

The why and what are short.

The how is long but can often be guessed once you understand the why and what.

Wikipedia is good at how, often less good at what and why

#### Labs

- 7 labs in total (2 weeks each, except last is 1 week),
- mandatory and graded
- can be done entirely in your machine no need for physical presence at EPFL -requires 7GB of HD,
- you will work in pairs: only one report for two
- some labs have a bonus research exercise, it is NOT mandatory but it is interesting to do them.
- All info on Moodle



### Quizzes

One online Quiz (moodle) every week
Use it after attending lecture and before doing lab
Mandatory but not graded

Must take quiz n before taking quiz n+1Must be up to date in your quizzes before submitting lab Enforced by Moodle

## Your work every week

Attend lecture (Thursday 12:15-14:00 CM2 or zoom, or later on youtube)

Take the online quiz (moodle)

Advance / Complete lab

Lab Sessions with TAs

INF1/INF2 Friday 11-13 and zoom

INM202 Friday 13-15 and zoom

Moodle forum is attended by TAs all week long

during working hours

All info is on Moodle

# Please go to speakup.info or start speakup app Join room number 60845 Say in which case you are

- A. Computer Science
- B. Communication Systems
- C. Data Science
- D. Electrical Engineering, Smart Grid
- E. Electrical Engineering, other orientation
- F. Mechanical Engineering
- G. Maths
- H. Other Section



### Please use speakup ethically

don't abuse anonymity



#### Final Exam

One final exam in exam session

See last years exams on moodle

Closed book, no electronic equipment

The "exam booklet" (available on moodle) is allowed – we print it for you.



## Grading

### Theory Grade T = final examLab grade

 $L_i$  = grade at lab i in scaled 1-6

$$L_{avg} = \frac{L_0 + \dots + L_5 + 0.5L_6}{6.5}$$
 (lab6 counts as ½ lab)

 $RE_{avg}$  = average of all bonuses (max bonus = 0.5 on scale 1-6)

$$L = \min(6, L_{avg} + RE_{avg})$$



Final grade  $G = \text{round}\left(\frac{T+L}{2}\right)$  where round is to the nearest quarter-integer.

All grades except G are non-rounded.

