

# Software Architectue in Cloud Computing

## Outline

# 2 teachers



Phd. Fabien Hermenier

[fabien.hermenier@unice.fr](mailto:fabien.hermenier@unice.fr)

research interests: cloud computing, virtualisation,  
resource management, autonomic computing



Phd. Fabrice Huet

[fabrice.huet@unice.fr](mailto:fabrice.huet@unice.fr)

research interests: middleware for large scale  
systems, P2P overlays, data stream analysis

<http://users.polytech.unice.fr/~hermenie/sacc/>

# Pitching the course

“This course presents typical software **architectures** devoted to run **scalable** applications in public **PaaS** clouds.

We discuss models to store and access **data** at scale, especially through **NoSQL** approaches. We then present **techniques** and **patterns** to design **native** cloud applications that can **adapt** themselves according to the load.”

1 “Where we talk about  
cloud computing,”

“Where we talk about  
data management”

2.a

“Where you play with  
databases”

2.1b

“ “ Where we talk about  
software architectures ” ”

3



“Where, for the first time,  
it's ok to present the work,  
of someone else”

4

“Where you design a  
native cloud application”

5

“Where you will suffer  
during the final”

# You want the ECTS?

European Credit Transfer System

attend the lectures

take notes

ask questions

read papers

revise Java

google for tutorials, help

Read That F\*\*\*\*\* Manual

I know I speak fast but  
this way it's hard to fall  
asleep during my classes