

CS5630

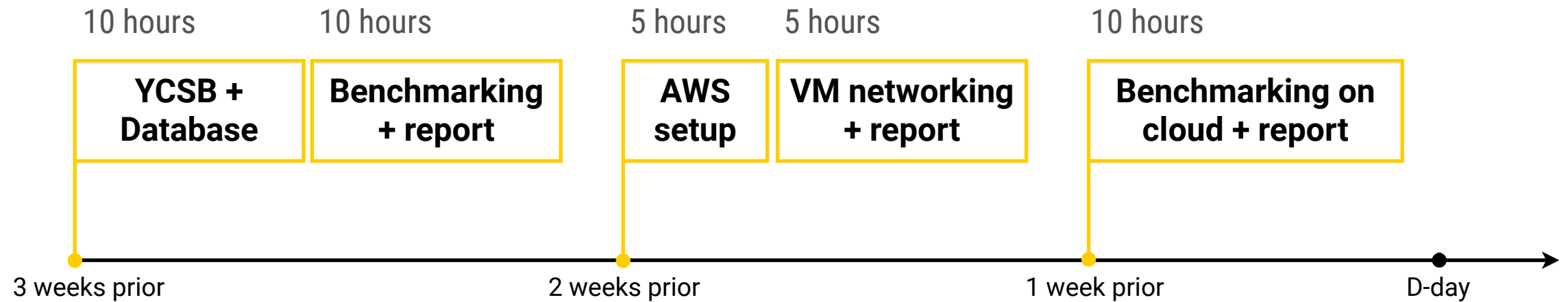
Discussion: Project and Midterm

Prof. Supreeth Shastri

Computer Science

The University of Iowa

Project tracking

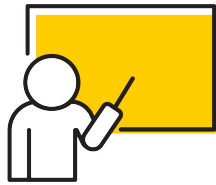


Expect to spend **~40 hours** (YMMV)

Midterm Format and Question Categories

Category	Example questions	Weight
Cloud Concepts	<i>What is tail-latency and how does it affect cloud applications?</i>	20%
Cloud Services	<i>Name three types of IaaS contracts. Compare their cost-availability features.</i>	20%
Cloud Tradeoffs	<i>Tradeoff in fault-tolerance techniques, cloud contract design, etc.,</i>	20%
Cloud Programming	<i>Given a program or set of CLIs, explain the behavior (or fix the error)</i>	20%
Cloud Research	<i>What is Mesos? What is YARN? List three key differences between them.</i>	20%

How to Prepare



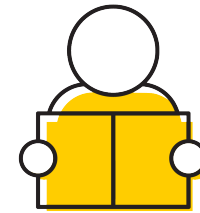
Revisit the **lectures and slides**:

<https://shastri.info/teaching/cs5630>



Read the reference **books**:

[Armbrust, Borroso](#)



Brush up on **research**:

[Brewer, Irwin, Mesos, YARN](#)

It is a pen-and-paper exam; We will provide the answer sheets but bring a bunch of pens

Ground rules and policies

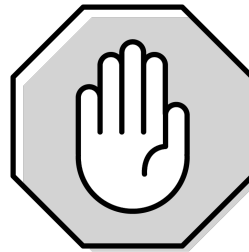
Time management

is completely **your responsibility**. Keep your answers brief and accurate. The exam is designed to require an hour.

Proctoring

TA and I will be around during the exam time to help with any questions or clarifications

Please bring your student ID card.



Accommodations

If you need any special accommodations for the interview, please discuss with me **at least a week** before your slot.

Code of conduct

During the exam, you **cannot use** books, notes, Internet resources, or seek help from others.

After the exam, you **should not share** exam details with anyone.