

CS410 DSO: Text Information Systems: Course Introduction

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Motivation: Harnessing Big Text Data

- Text data is **ubiquitous** and **growing rapidly**

- Internet
- Blogs
- News
- Email
- Literature
- Twitter
- ...

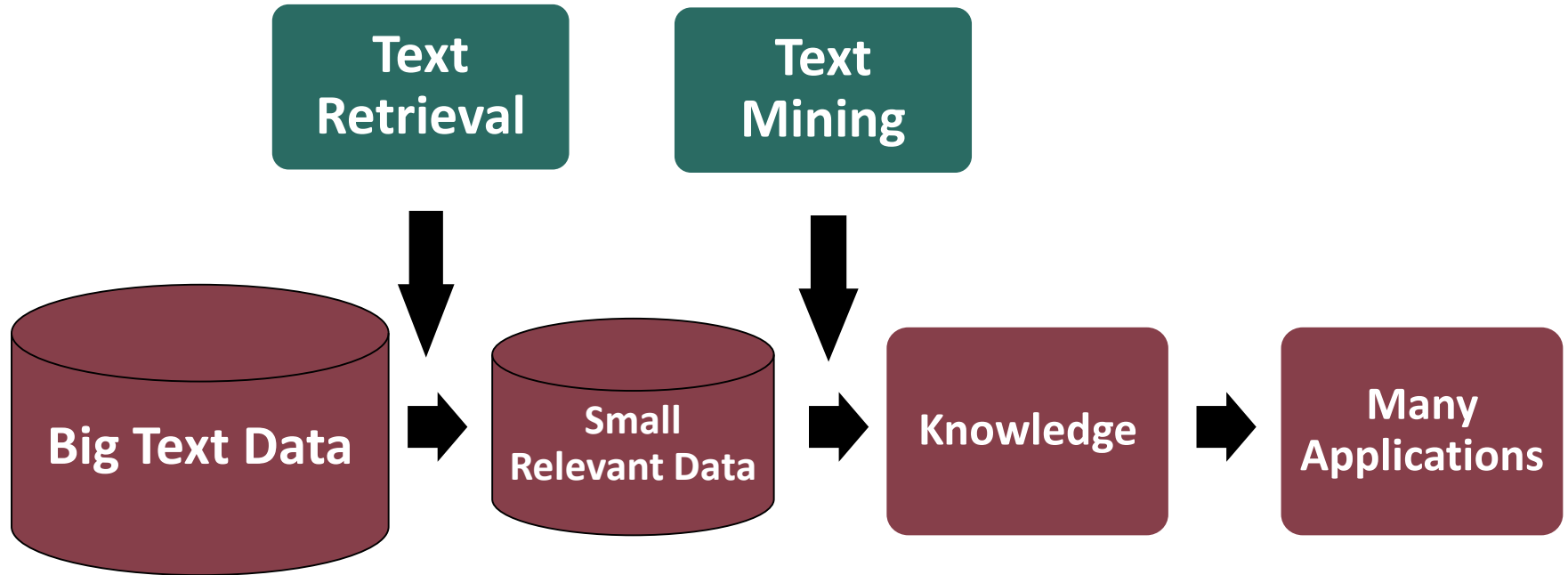


Knowledge

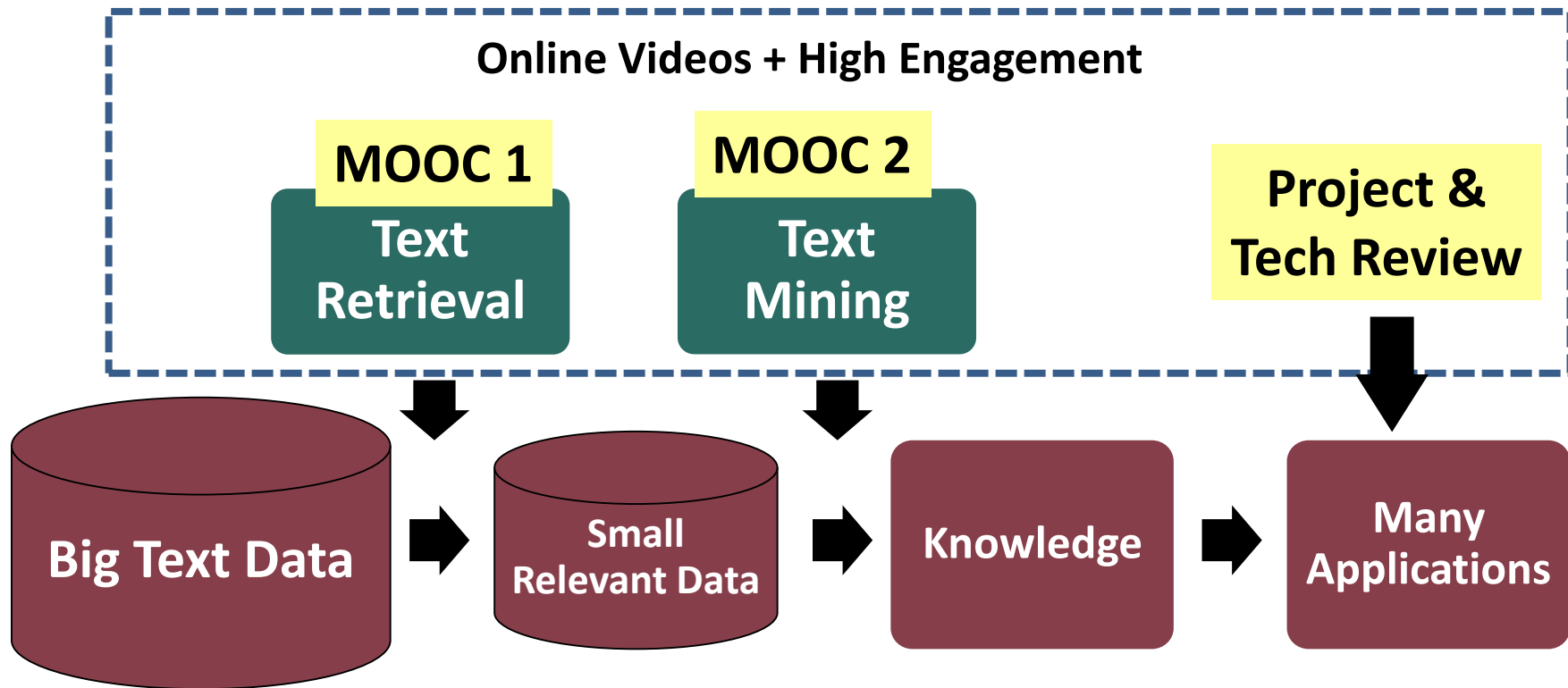


**Many
applications!**

Main Techniques for Harnessing Big Text Data: Text Retrieval + Text Mining



Design of CS410: Overview



Design of CS410: Goals

- Emphasize **both theory and practice**
 - **Theory**: basic concepts and general principles are applicable to **all** applications → Lectures + Quizzes + Exams
 - **Practice**: specific practical skills are **immediately** useful → Programming assignments
 - **Integration** of theory and practice → Course projects

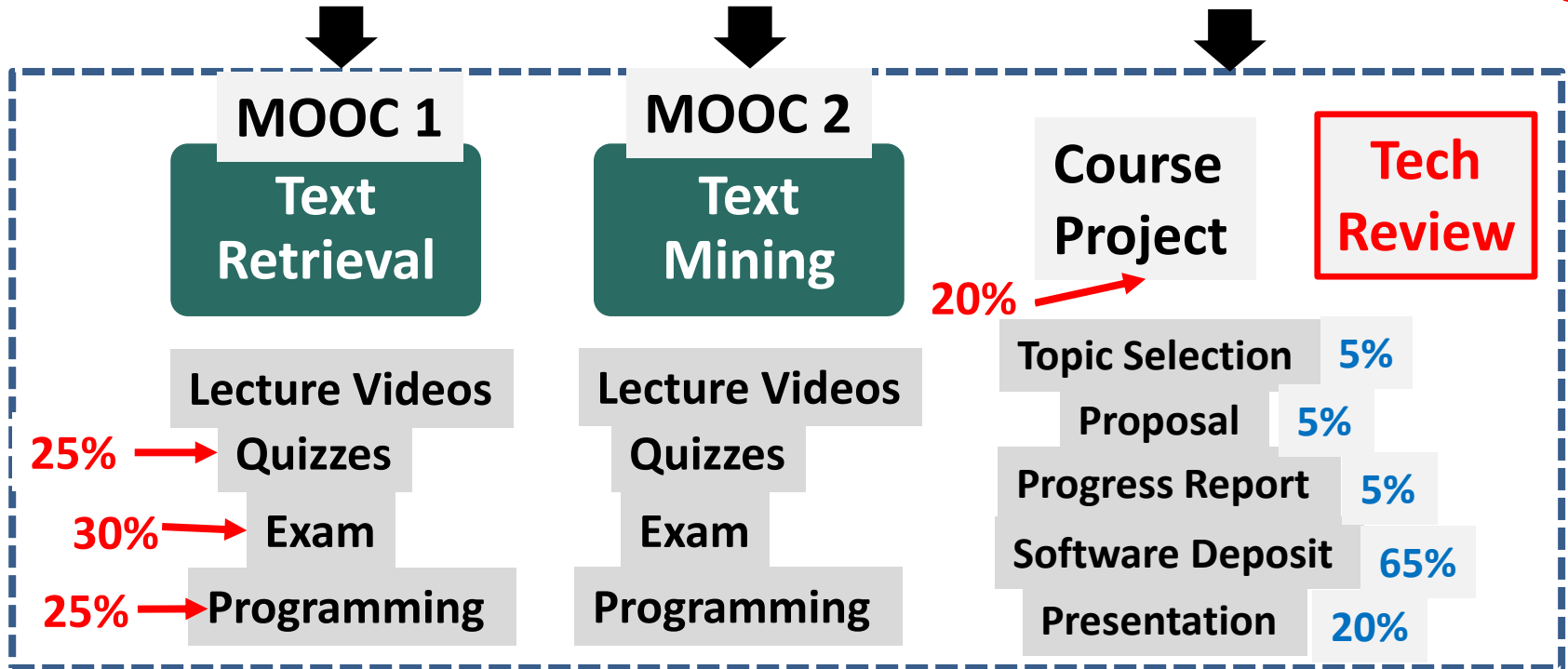
Design of CS410: Goals

- **Personalized** learning
 - ➔ Self paced + Choices of project & technology review
- **Collaborative** learning
 - ➔ Forum-based interactions and collaboration
 - ➔ Group projects, group technology reviews

Design of CS410: Format & Grading

Synchronous Weekly Office Hours via **Video-Teleconferencing**
Asynchronous Question Answering & Discussion via **Forums**

Extra
Credit:
+ 5%

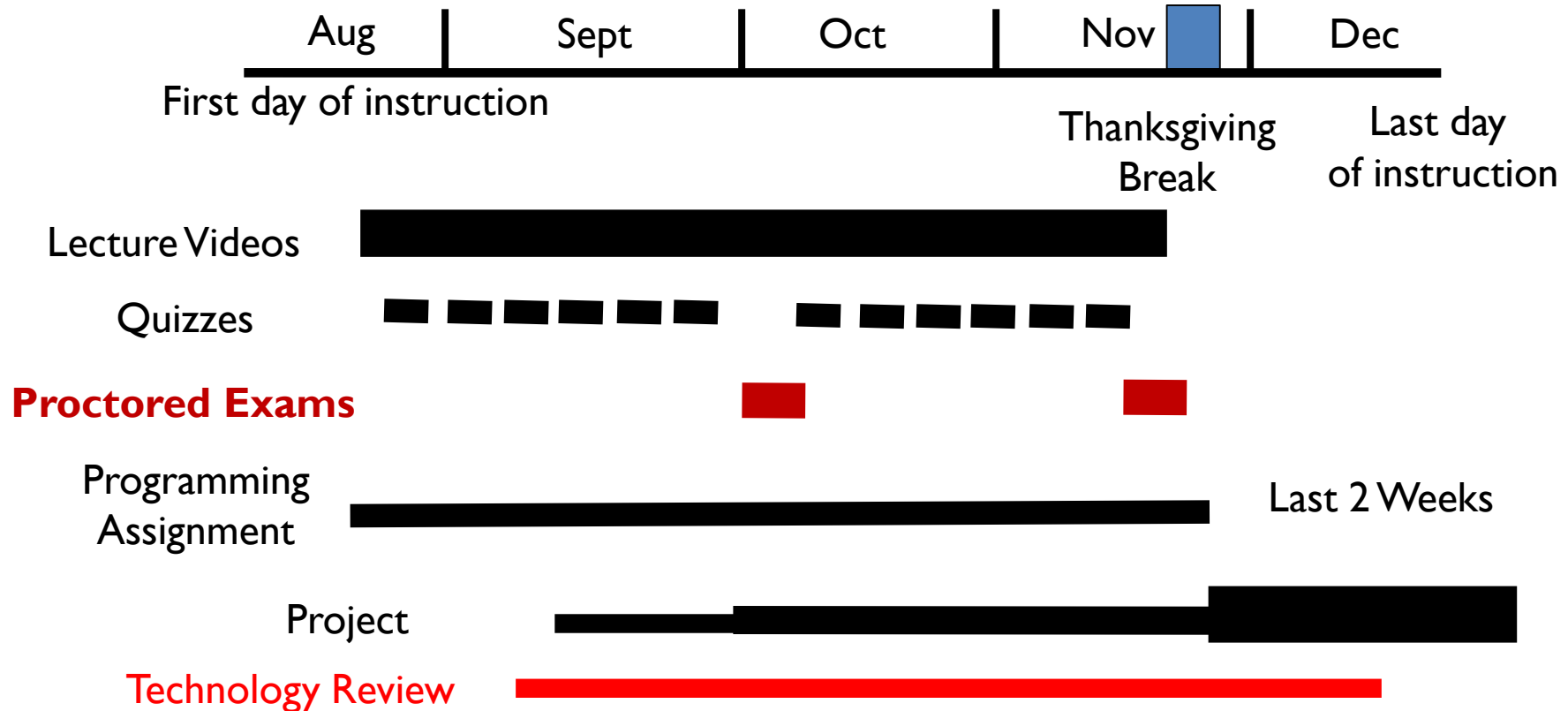


You have Complete Control over Your Grade!

- **A+: [95,100]**
- **A: [90,94]**
- **A-: [85, 89]**
- **B+: [80, 84]**
- **B: [75, 79]**
- **B-: [70,74]**
- **C: [60, 69]**
- **D: [55,59]**
- **F: <55**

**5% Extra Credit
would help move your grade up
by one bracket**

Your Work Load



If you have already taken the MOOC(s)

- You can and are **encouraged** to **finish** all the quizzes and most programming assignments **much earlier**
- However, you cannot take an exam earlier, and some programming tasks may require synchronization and thus cannot be finished earlier than scheduled
- Enjoy **more time** to work on your **course projects** (if you want to)!

Forum Discussion

- **Forum (Piazza)** is the **primary** way of interactions and engagement
 - Asynchronous discussion enables **participation of everyone**
 - Enables **faster question answering** without waiting until an office hour
 - Facilitates **identification of difficult concepts** to be covered in office hours

Protocol of Question Answering

- As soon as you have a question or issue to discuss, **post** it **immediately** on Forum
- If the question is not answered in a timely manner on Forum or addressed adequately, **email** the question to **all of us** (i.e., the instructor and TAs) using a **subject line** containing the **keyword “CS410DSO”**
- If you don't receive a reply from us by email in a timely manner, **join an office-hour** (i.e., a video-conference)

Format of Office Hours

- TAs and the instructor will hold **weekly** office hours at **published time slots** using **video-conferencing (Zoom)**
- Students can **join/leave** an office hour **as needed** at any time
- **Priority** list in descending order:
 - **High:** Issues posted on Forum, but unresolved even after email communications with the TAs/Instructor
 - **Medium:** Other unresolved issues on Forum
 - **Low:** Any questions or issues not posted on Forum, brought by a student joining an office hour (first come, first serve)

How to Get the Most out of CS410 DSO?

- **Plan ahead** based on your own schedule, and **act early**
 - Allocate **sufficient time** for the preparation of **two proctored exams**
 - Try to complete quizzes and programming assignments ahead of time whenever possible
- Post questions on Forum **immediately** whenever have difficulty in understanding any part of the course materials
- Leverage **collaborative learning**
 - Actively participate in forum discussions (you'll learn from reading posts on Forums)
 - Earn up to 5% **extra credit** by making effort to **answer others' questions** on Forums (your effort will be logged on the Forum)

For more information, visit the course website:

<https://courses.engr.illinois.edu/cs410/fa2020>