CS330: Operating Systems

Course Logistics

Course and instructors

$whereis cs330

Online on mooKIT and Piazza.   Tue, Wed, Thu (8AM to 8.50AM)

Class page: https://www.cse.iitk.ac.in/users/deba/cs330/

mooKIT: https://hello.iitk.ac.in

Piazza link: piazza.com/iitk.ac.in/firstsemester2021/cs330

$whereis deba

KD 212, deba@cse.iitk.ac.in , send emails with [CS330] in the subject line

Meeting hours: 8AM - 9AM Thursday

Lectures

- Video lecture online on mooKIT, discussion on every Tuesday 8AM
    - Watch the videos, ask questions in Piazza, attend online discussion sessions

- Weekly quiz on every Wednesday 8AM
    - Groups will be formed by me!

- *If you are facing any difficulties and want to have a one-on-one chat with me, do not hesitate to contact me over email*

Evaluation

1. Programming assignments (50%)
2. Quizzes (20%)
3. End-semester (25%)
4. Participation (5%)

References

1. Operating Systems: Three Easy Pieces. Remzi H. Arpaci-Dusseau and Andrea C. Arpaci-Dusseau. Available online (free) http://pages.cs.wisc.edu/~remzi/OSTEP/
2. M. J. Bach. Design of the Unix Operating System, Prentice Hall of India, 1986.
3. Abraham Silberschatz, Peter B. Galvin, Greg Gagne. Operating System Concepts, 8th Ed., John Wiley

Quizzes (20%)

- Weekly quiz
    - On every Wednesday
    - Questions based on previous lecture(s)
- Quizzes will be group based
    - Group of max. 5 students
    - Discuss and debate before submitting the group's answer
    - Submit your answers on the online platform
- An individual quiz will be conducted during midsem

Participate in Quizzes, if any member of the group can not explain the submitted answer ⇒ penalty on the whole group

Assignments (50%)

- All assignments involve programming
- Goals
    - Understanding OS abstractions
    - Designing OS mechanisms and policies
- Team size: 1 to 4 (TBD for each assignment)
- Deadlines: No deadline extensions

"Take pride in honest hard work"

"Cheating implies accepting defeat"

"If you are here to learn, never defeat the purpose by cheating"

https://www.cse.iitk.ac.in/pages/AntiCheatingPolicy.html

Some points to note!

- Watch videos and reading material
- Read the book chapters before the class
- Participate in Piazza, approach the teaching staff
- Work hard, do not worry about the grades.

All the best!