CS330: Operating Systems

Course Logistics

Course and instructors

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RM 101. Tue, Wed, Thu (8AM to 8.50AM)

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

Piazza link: https://piazza.com/iitk.ac.in/firstsemester2023/cs330

Canvas link: https://canvas.cse.iitk.ac.in/courses/70

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

Meeting hours: 12.15PM - 1.30PM Thursday

Lectures

- Be on time! 8AM to 8.50AM, RM 101
- Keep your mobile phones (and other devices) switched off / silent
- Bring blank sheets and pen to class. Will be required for class quizzes
- Attend classes regularly. Slides may not contain everything discussed
- Ask questions and interact

Evaluation

1. Programming assignments (35%)
2. Quizzes (15%)
3. Mid-semester (15%)
4. End-semester (35%)

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 (15%)

- Wakeup quizzes (unannounced)
  - Starting of the lecture (~10Mins)
  - Questions based on previous lecture(s)
- Quizzes will be group based
  - Random group of max. 5 students
  - Discuss and debate before submitting the group's answer
  - Write answer on a sheet along with the group details
- If you are late ⇒ Allowed entry only after the quiz
- Participate in Quizzes, if any member of the group can not explain the submitted answer ⇒ penalty on the whole group

Assignments (35%)

- All assignments involve programming, #of assignments <= 4
- Goals
  - Understanding OS abstractions
  - Designing OS mechanisms and policies
- Team size: 1 to 4 (TBD for each assignment)
- Deadlines: No deadline extensions. Each can avail 100 bonus hours

"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!

- Be regular to class
- Read the book chapters and other reading materials, solve h/w exercises
- This course is hands-on, be open to experiment and experience
- Participate in Piazza, approach the teaching staff
- Work hard, do not worry about the grades!