

CS330: Operating Systems

Course Logistics

Course and instructors

\$whereis cs330

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

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

Piazza: <https://piazza.com/iitk.ac.in/firstsemester2024/cs3302024>

Canvas link: <https://canvas.cse.iitk.ac.in/courses/78>

Labs: KD Labs (ground and first floor) Tue, Fri (2PM to 5PM)

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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. Labs + Programming Assignments (40%)
2. Quizzes (10%)
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 (10%)

- 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

Labs and Assignments (40%)

- All labs/assignments would involve programming
- Goals
 - Understanding OS abstractions
 - Designing OS mechanisms and policies
- Team size: 1 to 4 (TBD)

“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!