

CS305

Computer Architecture

Course Logistics

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<http://www.cse.iitb.ac.in/~br>

Pre-Requisites

- Hard: CS210 “Logic Design”
- Soft: CS213 “Data Structures and Algorithms”

Flipped Classroom Model

- View online lecture videos
- Attempt in-video and out-of-video problems *before* corresponding tutorial
 - Mandatory to attempt
- Deadline to view videos and attempt problems:
Sunday prior to the week
 - Viewing schedule will be available online
- Tutorial attendance is compulsory

Tutorial Organization

- Class divided into 3 batches
- Each batch attends one tutorial per week
- During quiz-week:
 - All 3 batches will attend quiz on same day
 - This is in addition to regular tutorials during that week

Evaluation Plan

- Quizzes to keep you on top of things
 - SAFE quizzes: every tutorial, 15%
 - 30-min quizzes: (best 3 of 4) x 5% = 15%
- MidSem: 30%
- EndSem: 40%
- Negative marks for not being regular in watching videos, tutorials
- Integrity: most important
 - Strict policy on dishonesty
 - **Cheating OR helping cheat ==> FR grade, DAC**

CS341: Companion Lab Course

- CS341: Computer Architecture Lab
 - Assembly language programming
 - Learning concepts through simulator (SPIM) based implementation
 - MIPS pipeline simulator
- Lab evaluation is separate

Houses

- Class divided into 6 houses
 - Choose a cool name for your house!
- House Points!
 - Fosters healthy competition and is fun
 - Earn points by answering questions, asking challenging questions, solving practice problems online

BodhiTree

The Flipped Classroom Website

- Developed by: Kameswari Chebrolu, Saif Hasan and Alankar Saxena (BTech CSE graduating batch of 2013), many others
- Overall goal: open it up for every student in India (even abroad)
 - Sincerely request your co-operation and **help**
- **Feedback most appreciated**
 - Earn a candy for every suggestion

Action Items

- Watch the videos at <http://flamingo.bodhi.cse.iitb.ac.in/>
 - Look at the wiki for the schedule of videos to watch for the week
 - Practice associated quizzes
 - Don't take it easy: tutorials starting first week!
- Houses have been announced
- Decide on possible house names

Enter the World of Computer Architecture

