

CS3300: Compiler Design

Instructor: Rupesh Nasre (rupesh@cse)

TAs: Kumaresan, Saran, Tharun, Omkar,
Anushka, Harish, Joel, Umair, Ujjwal, Sanket

Web: ~rupesh/teaching/compiler/jul24/

Moodle: ?id=4895

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Prerequisites

- CS2200 LMC
- CS2610 CO Lab
- CS2700 PDS
- CS2710 PDS Lab
- CS2800 DAA
- CS2810 OOAIA

Requirements

- Attendance
 - 100% expected
 - ~~75% compulsory~~
- No copying
 - Colleague
 - Internet
 - ChatGPT
 - Others...

In This Course

- Introduction
- Lexing, Parsing
- Syntax directed translation, Analysis
- Runtime
- IR, Code generation
- Optimizations, Others

Book: *Compilers: Principles, Techniques and Tools*, 2ed,
Aho + Lam + Sethi + Ullman, Pearson.

Logistics

- Moodle for submissions, announcements, discussions
- Tentative evaluation:
 - Theory 60% + Lab 40%
 - Within 40% Lab: Assignments = 64, In-Lab = 36.
 - Programming assignments (12 + 20 + 23 + 12%)
 - Quizzes (15 + 20%) + EndSem (25%)
- B + Q slots (Mon 9, Tue 14, Wed 12, Fri 11)
 - Please do not schedule anything in Q slots, including doctor visits.
 - The course credits are 3-0-0-6-6-15.

Assignments

- Four programming assignments.
- You should work individually.
- It would help you in quizzes if you do assignments sincerely.
- Do not discuss assignments.