

CS3300: Compiler Design

CS3310: Compiler Design Lab

Instructor: Rupesh Nasre (rupesh@cse)

TAs: one, two, three

Web: ~rupesh/teaching/compiler/aug15/

Moodle: moodle/course/view.php?id=386

August 2015

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
(it is your responsibility to get subscribed to the course)
- Tentative evaluation:
 - Programming assignments (10+10+10+10%) | Lab
 - Quizzes (15+15%) | Theory
 - EndSem (30%) | Theory
- C slot (Mon 1000, Tue 0900 and 1400, Wed 0800)
- Room CS 24 and DCF.

Assignments

- Four programming assignments (40%).
- To be done in C (no C++).
- You can submit late (within two days) but you will lose half marks. Beyond two days, you need not submit.
- You should work individually.
- It would help you if you do assignments sincerely.

Course Schedule

Month	Lectures	Evaluations
AUG	Lexing, Parsing	A1
SEP	SDT, Analysis, Runtime	A2, Q1
OCT	IR, CodeGen, Opti	A3, Q2
NOV	Others	A4, EndSem

Exam	Date
A1	Aug 20
Q1	Sep 2
A2	Sep 14
A3	Oct 5
Q2	Oct 14
A4	Nov 2
EndSem	Nov 20

EndSem would contain all the topics.

IITM Timetable

	8	9	10	11	13	14	1455	1550	1645
Mon	A	B	C	D	G	P	P	P	G
Tue	B	C	D	E	A	Q	Q	Q	AF
Wed	C	D	E	F	B	R	R	R	AB
Thu	E	F	G	A	D	S	S	S	BCD
Fri	F	G	A	B	C	ET	T	T	CDE