

# EE 703 Digital Message Transmission

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# Course Details

**Instructor** Saravanan Vijayakumaran

**Office** Inside Power Systems Lab (EE Ground Floor)

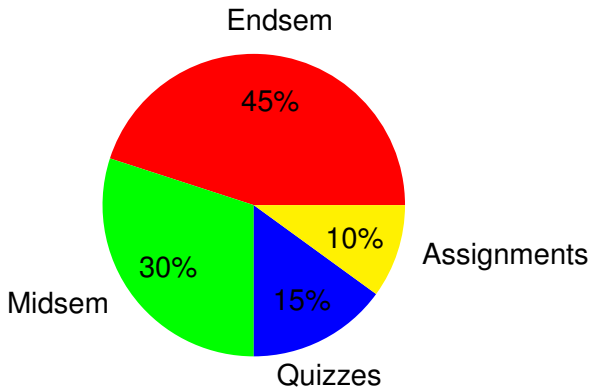
**Schedule** Slot 5, Wednesday and Friday

**Location** EEG 301

**Webpage** <http://www.ee.iitb.ac.in/~sarva/EE703/Autumn2012.html>

**Forums** IITB Moodle

# Grading Policy

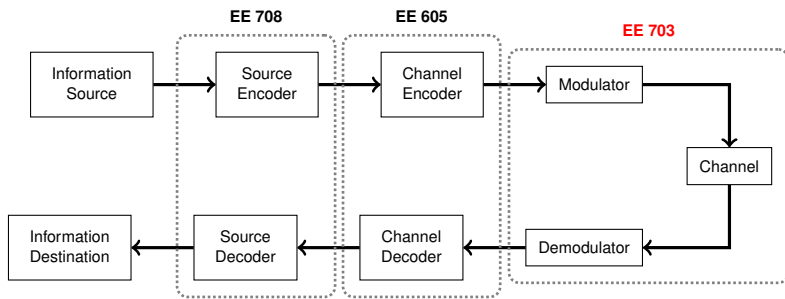


- Quizzes (Best two out of three)
- Relative grading
- For AU, score  $\geq$  CC

## Reference Books

- *Fundamentals of Digital Communication*, Upamanyu Madhow, 2008
- *Digital Communications*, John G. Proakis and Masoud Salehi, 2008 (5th Edition)

# Digital Communication Systems



EE 708 Information Theory and Coding

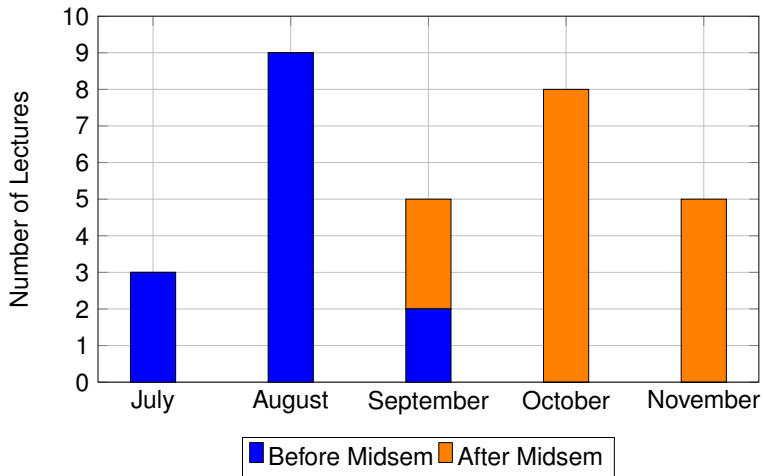
EE 605 Error Correcting Codes

EE 703 Digital Message Transmission

# Course Outline

- Review of Deterministic and Random Signal Analysis
- Digital Modulation Schemes
- Demodulation Schemes
- Carrier and Timing Synchronization
- Equalization

# Attendance Requirement



Before Midsem 14 Lectures

After Midsem 16 Lectures

Attendance **80% required** (Can miss at most six lectures)

# November

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Blue Lectures

Red Institute holidays

Orange Endsemester exams

Can we have two extra lectures in September instead of November 14,16?



End of course outline