

EE 703 Digital Message Transmission

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Course Details

- **Schedule** Slot 1, Monday (8:30 AM), Tuesday (9:30 AM), Thursday (10:35 AM).
- **Location** LT 104
- **Webpage** www.ee.iitb.ac.in/~sarva/EE703/Autumn2022.html
- **Announcements** <https://moodle.iitb.ac.in>
- **Teaching Assistants**
 - Bandi Ravi Kumar (184070001@iitb.ac.in)
 - Komal Ojha (194070013@iitb.ac.in)

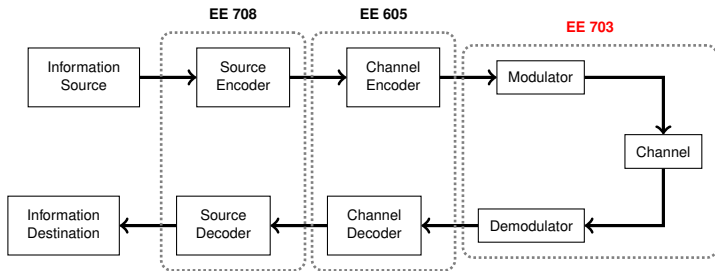
Grading Policy

- Marks distribution
 - 20% Assignments
 - 20% Quizzes
 - 20% Midsem
 - 40% Endsem
- 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

- Complex baseband representation
- Digital modulation schemes
- Gaussian random variables and processes
- Optimal demodulation schemes
- Carrier and timing synchronization
- Equalization

Thanks for your attention