

EE320A **Principles of Communication**

1. Aim: This is a first course in communications. Many of the concepts covered here, are used even today in modern (digital) communication systems.
2. Lectures: Tue, Wed, Thu, 8 am, L1
3. Marks distribution (out of 100):
 - (a) Tutorials: 10
 - (b) Two quizzes: 10 + 10
 - (c) Mid Sem: 30
 - (d) End Sem: 40All exams are closed book.
4. Tutorials: Fridays, 3 pm. Tutorial sheets will be distributed every week.
 - (a) Section A: venue: T106 Tutor: K Vasudevan (vasu)
 - (b) Section B: venue: T107 Tutor: Govind Sharma (govind)
 - (c) Section C: venue: T108 Tutor: Prem Singh (psrawat)
 - (d) Section D: venue: T109 Tutor: AK Jagannatham (adityaj)In every tutorial there will be a 10 minute quiz for 10 marks. Tutorials begin on 11th August. Section assignments will be finalized before 11th August.
5. Dates of quizzes:
 - (a) Quiz 1: 1st September
 - (b) Quiz 2: 3rd November
6. Books:
 - (a) Communication Systems by Simon Haykin, 2nd edition, 5th edition. A copy of the 2nd edition is kept at Copy Point.
 - (b) Probability, Random Variables and Stochastic Processes by A Papoulis.
 - (c) Digital Communications and Signal Processing by K Vasudevan, 2nd edition.
 - (d) Principles of Communication by RE Zeimer and WH Tranter, 5th edition.
 - (e) Fundamentals of Communication Systems by JG Proakis and M Salehi.

(f) Digital Communications by Simon Haykin.

7. Syllabus: Chapters 2, 3, 4, 5, 6 from Haykin 2nd ed. Lectures on quantization and some portions of random variables and random processes will be given from own notes.