



Tentative Lecture Plan for EEE 211 (L2/T1 Section B) (Continuous Signals and Linear Systems)

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Class Room: ECE 918

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Books:

1. 'Continuous and Discrete Signals and Systems' – Samir S. Soliman and Mandyam D. Srinath (2nd Ed)
2. 'Analysis of Linear Systems' – David K. Cheng
3. 'Linear Systems and Signals' – B. P. Lathi (3rd Ed).

OUTLINE OF THE LECTURES

Lecture ID		Topics
1-5	Phase 1	Types of signals, operations on signals, elementary signals, the impulse response, sample problems.
6-11	Phase 2	Types of systems, LTI systems, properties of LTI systems, time domain analysis of LTI systems, state variables, sample problems.
12-17	Phase 3	Fourier series, system responses, properties of Fourier series, sample problems.
18-22		Fourier transform, properties of Fourier transform, system response and requisites for distortion less systems, sample problems.
23-27	Phase 4	Laplace transform, properties of Laplace transform, inverse Laplace transform, system equations and transfer function, system stability and frequency response, sample problems.
28-32	Phase 5	Applications of time and frequency domain analyses, solution of analog electrical and mechanical systems, amplitude modulation and demodulation, TDM, FDM.
33		Revision and discussion.

Assessment Policy (as per University Rule):

There will be 4 (Four) class tests, each about 20 minutes. The best 3 (Three) will be considered for final grades. The weights of the final grading are:

- Class participation – 10%
- Quizzes – 20%
- Final Exam – 70%