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This course is to provide an effective and efficient environment for students to learn the theory and problem-solving skills for linear systems. The material is designed to provide appropriate background to proceed into areas such as communications, control systems, digital filter design and signal processing and analog filter design. We use a computer-biased approach in which computer solutions and theory are viewed as mutually reinforcing rather than as an either-or proposition.

1. Signals and Sequences
2. Continuous Systems
3. Laplace Transforms and Application
4. Midterm
5. Frequency Response of Continuous Systems
6. Continuous-Time Fourier Series and Transforms
7. State-Space Topics for Continuous Systems
8. Matlab
8. Final Exam.

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