Aggressive Timeline for ECE 30100-002 Spring 2026

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- Homework 1 due Fri, Jan 23.
- *Topic:* CT/DT Signals and Transformations of CT/DT Time-Variable
- Homework 2 due Fri, Jan. 30.
- *Topic:* CT/DT System Properties
- Homework 3 due Fri, Feb. 6.
- *Topic:* CT Systems inc LTI CT Systems & CT Convolution
- Homework 4 due Fri, Feb. 13.
- *Topic:* DT Systems inc LTI DT Systems & DT Convolution
- **Exam 1: Mon, Feb. 16.** *Chaps. 1,2*. Thru Brightspace
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- Homework 5 due Fri, Feb. 20.
- *Topic:* CT Fourier Series: 1st step Analyzing Frequency Content of Signals
- Homework 6 due Fri, Feb.. 27.
- *Topic:* CT Fourier Transform of Signals and LTI System Impulse Responses
- Homework 7 due Fri, Mar. 6.
- *Topic:* CT Fourier Transform (CTFT) Properties
- **Exam 2: Fri, Mar. 27.** *Chaps. 3,4* Thru Brightspace
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- Homework 8 due Fri., Mar 27.
- *Topic:* Sampling Theory (Basics of A/D Conversion)
- Homework 9 due Fri., Apr 3.
- *Topic:* DT Fourier Transform (DTFT) and CTFT-DTFT Relationship
- **Exam 3: Fri, Apr. 17.** *Chaps. 5,7* Thru Brightspace
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- Homework 10 due Fri, Apr 24.
- *Topic:* Z-Transform (not turned in, solutions will be provided)
- **Final Exam: May 4-9** *Chaps. 1,2,3,4,5,7,10*