ECE3220: Course Text (Oppenheim & Willsky) vs. Course Notes (Buckley)

- Chapter 1 of Course Notes

  - Sect. 1.4: See the Course Text Subsections 1.3.2, 1.4.1 concerning DT signals
  - Sect. 1.4: See the Course Text Subsection 1.2.1 concerning basic CT & DT signal operators
  - Sect. 1.4: See the Course Text Subsections 1.3.1, 1.4.2 concerning CT signals
  - Sect. 1.4: See the Course Text Subsections 1.1.2, 1.2.2, 1.3.3 concerning classes of signals
  - Sect. 1.5.1: See the Course Text Section 1.5 concerning system examples
  - Sect. 1.5.2: See the Course Text Section 1.6 concerning system properties

- Chapter 2 of Course Notes

  - Sect. 2.1: See the Course Text Section 2.1 concerning DT signal impulse expansion
  - Sect. 2.2: See the Course Text Sections 2.1 & 2.3 concerning the convolution sum
  - Sect. 2.4: See the Course Text Subsection 2.2.1 concerning CT signal impulse expansion
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- Chapter 3 of Course Notes

  - Sect. 3.1: See the Course Text Section 3.2 concerning exponential signals into CT LTI systems
  - Sect. 3.2: See the Course Text Sections 3.2-4 concerning the CTFS
  - Sect. 3.3: See the Course Text Sections 4.1-2 concerning the CTFT
  - Sect. 3.4: See the Course Text Sections 9.2-3 concerning the Laplace transform
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  - Sect. 3.5: See the Course Text Sections 3.5, 4.3-6 & 9.5 concerning CT transform properties

- Chapter 4 of Course Notes

  – Sect. 4.1: See the Course Text Sections 4.7, 9.4 & 9.7 concerning CT transforms and CT LTI systems

  – Sect. 4.1.2: See the Course Text Appendix A concerning partial fraction expansion

  – Subsect. 4.2.1: See the Course Text Subsection 3.9.2 concerning CT filters

  – Subsect. 4.2.2: See the Course Text Sections 7.1.1, 7.2 & 7.3 concerning sampling

  – Subsect. 4.2.3: See the Course Text Sections 8.1 & 8.2 concerning modulation

  – Subsect. 4.2.4: See the Course Text Section 3.10 concerning RLC circuits

- Chapter 5 of Course Notes

  – Sect. 5.1: See the Course Text Section 3.2 concerning exponential signals into DT LTI systems

  – Sect. 5.2: See the Course Text Sections 3.6-7 concerning the DTFS

  – Sect. 5.3: See the Course Text Sections 5.0-1 concerning the DTFT

  – Sect. 5.4: See the Course Text Section 5.2 concerning the DTFT representation of DT periodic signals

  – Sect. 5.5: See the Course Text Sections 5.3-7 concerning DTFT properties

  – Sect. 5.6: See the Course Text Chapter 10 concerning the z-transform

  – Sect. 5.6.1: See the Course Text Sections 10.0-2 & 10.6 concerning the bilateral z-transform

  – Sect. 5.6.2: See the Course Text Section 10.5 concerning properties of the z-transform

- Chapter 6 of Course Notes

  – Sect. 6.1: See the Course Text Section 5.8 concerning DT LTI systems and the DTFT

  – Sect. 6.2: See the Course Text Sections 10.7-8 concerning DT LTI systems and the z-transform

  – Sect. 6.2.2: See the Course Text Appendix A concerning partial fraction expansion