edX | **HKUSTx:** ELEC1200.2x A System View of Communications: From Signals to Packets (Part 2)

Course Progress for Student 'KarenWest' (KarenWest15@gmail.com)
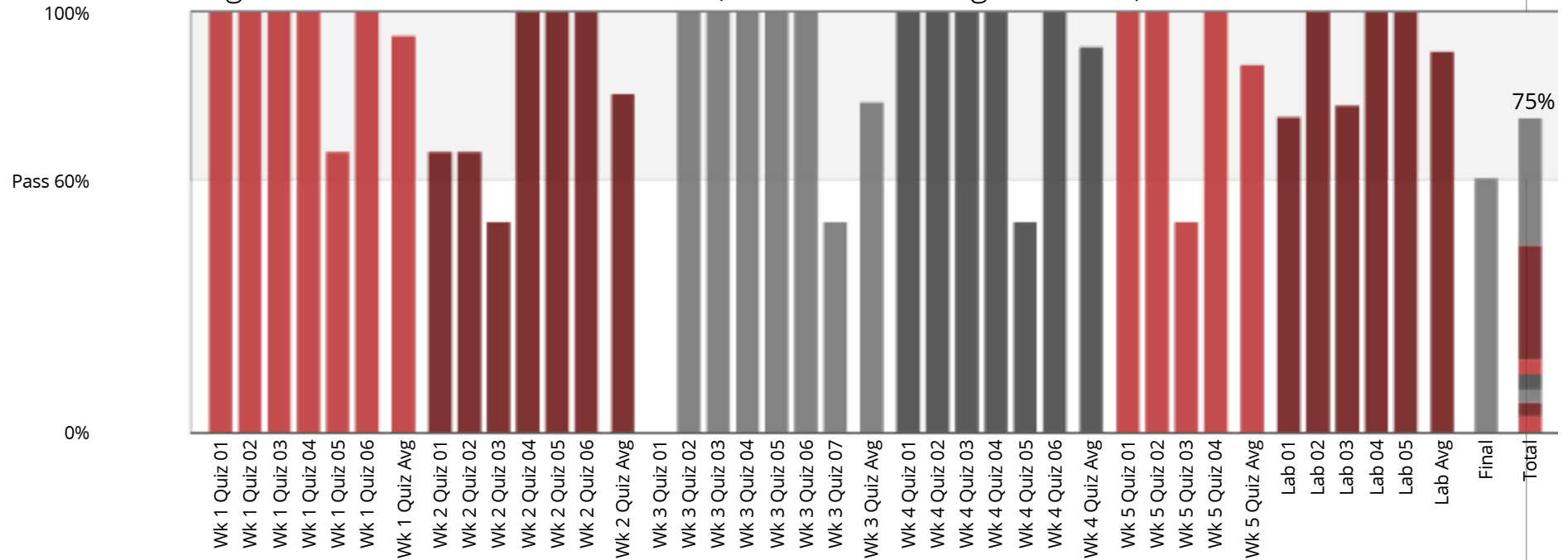
Pre-course Materials	Pre-course Survey
	No problem scores in this section

Topic 1: Course Overview	1.1 Course Overview
	No problem scores in this section

Topic 2: Lossless Source Coding: Hamming Codes	**2.1 Source Coding** (2/2) 100%

Topic 2: Lossless Source Coding: Hamming Codes

2.1 Source Coding (2/2) 100%
Week 1 Quiz *due Nov 02, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

2.2 Sequence of Yes/No Questions (2/2) 100%
Week 1 Quiz *due Nov 02, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

2.3 Entropy of a Bit (2/2) 100%
Week 1 Quiz *due Nov 02, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

2.4 Entropy of a Discrete Random Variable (3/3) 100%
Week 1 Quiz *due Nov 02, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1   1/1

2.5 Average Code Length (2/3) 67%
Week 1 Quiz *due Nov 02, 2015 at 15:30 UTC*

Problem Scores: 1/1   0/1   1/1

2.6 Huffman Code (2/2) 100%
Week 1 Quiz *due Nov 02, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

2.7 Lab 1 - Source Coding (9/12) 75%
Lab *due Nov 02, 2015 at 15:30 UTC*

Problem Scores: 0/0   1/1   1/1   1/1   3/3   3/3   0/3

Topic 3: The Frequency Domain

3.1 Music

No problem scores in this section

3.2 Continuous-time Sinusoids (1.33/2) 67%
Week 2 Quiz *due Nov 09, 2015 at 15:30 UTC*

Problem Scores: 1/1   0.333/1

3.3 Discrete-time Sinusoids (1.33/2) 67%
Week 2 Quiz *due Nov 09, 2015 at 15:30 UTC*

Problem Scores: 0.333/1   1/1

3.4 Fourier Series (1/2) 50%
Week 2 Quiz *due Nov 09, 2015 at 15:30 UTC*

Problem Scores: 0/1   1/1

3.5 Lab 2 – Frequency analysis (4/4) 100%
Lab *due Nov 09, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1   1/1   1/1

Topic 4: Lossy Source Coding	

4.1 Perceptual Coding (2/2) 100%
Week 2 Quiz *due Nov 09, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

4.2: Time frequency analysis (2/2) 100%
Week 2 Quiz *due Nov 09, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

4.3 Masking

No problem scores in this section

4.4 Non-uniform Quantization (2/2) 100%
Week 2 Quiz *due Nov 09, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

Topic 5: Filters and the Frequency Response

5.1 Channels as Filters

No problem scores in this section

5.2 Frequency Response (0/3)
Week 3 Quiz *due Nov 16, 2015 at 15:30 UTC*

Problem Scores: 0/1   0/1   0/1

5.3 Filter Examples (2/2) 100%
Week 3 Quiz *due Nov 16, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

5.4 Frequency Response of the IR Channel (2/2) 100%
Week 3 Quiz *due Nov 16, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

5.5 Lab 3 - Frequency Response (7/9) 78%
Lab *due Nov 16, 2015 at 15:30 UTC*

Problem Scores: 0/0   1/1   1/1   1/1   1/1   1/1   1/1   0/1   1/1   0/1

Topic 6: The Discrete Fourier Transform

6.1 Complex Numbers (3/3) 100%
Week 3 Quiz *due Nov 16, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1   1/1

6.2 Complex Exponentials (2/2) 100%
Week 3 Quiz *due Nov 16, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

6.3 Aliasing (2/2) 100%
Week 3 Quiz *due Nov 16, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

6.4 Discrete Fourier Transform (1/2) 50%
Week 3 Quiz *due Nov 16, 2015 at 15:30 UTC*

Problem Scores: 0/1   1/1

Topic 7: Signal Transmission - Modulation

7.1 Radio Spectrum

No problem scores in this section

7.2 Modulation (2/2) 100%
Week 4 Quiz *due Nov 23, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

7.3 Modulation with Complex Exponentials (2/2) 100%
Week 4 Quiz *due Nov 23, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

Topic 8: Signal Transmission - Demodulation

8.1 Demodulation

No problem scores in this section

8.2 Analysis of Mixing using Cosines (2/2) 100%
Week 4 Quiz *due Nov 23, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

8.3 Analysis of Mixing using Complex Exponentials (2/2) 100%
Week 4 Quiz *due Nov 23, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

8.4 Filtering (1/2) 50%

Week 4 Quiz *due Nov 23, 2015 at 15:30 UTC*

Problem Scores: 0/1   1/1

8.5 Non-ideal Effects (2/2) 100%
Week 4 Quiz *due Nov 23, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

8.6 Lab 4 - Modulation (3/3) 100%
Lab *due Nov 24, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1   1/1

Topic 9: IQ Modulation

9.1 Binary Phase Shift Keying (2/2) 100%
Week 5 Quiz *due Nov 30, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1

9.2 I/Q Modulation (3/3) 100%
Week 5 Quiz *due Nov 30, 2015 at 15:30 UTC*

Problem Scores: 1/1   1/1   1/1

9.3 Quadrature Phase Shift Keying (1/2) 50%
Week 5 Quiz *due Nov 30, 2015 at 15:30 UTC*

Problem Scores: 0/1   1/1

9.4 Constellation Diagrams (1/1) 100%
Week 5 Quiz *due Nov 30, 2015 at 15:30 UTC*

Problem Scores: 1/1

9.5 Lab 5 - BPSK and QPSK (9/9) 100%
Lab *due Nov 30, 2015 at 15:30 UTC*

Problem Scores: 3/3   3/3   0/0   1/1   1/1   1/1

Topic 10: Summary and Review	**10.1 Source Coding**
	No problem scores in this section

10.2 Filters and the Frequency Domain

No problem scores in this section

10.3 Sharing a Channel

No problem scores in this section

Final Exam

Final Exam (29/48) 60%
Final Exam *due Dec 07, 2015 at 16:00 UTC*

Problem Scores:
0/0   2/2   2/2   2/2   2/2   0/3   1/2   0.667/2   2/2   2/2   1.33/2   1/1   1/1   1/1   0/2   2/2   2/2   0/2
0/2   3/3   0/2   0/2   2/2   2/2   0/3

MATLAB download and tutorials

MATLAB Download

No problem scores in this section

Getting Started with MATLAB

Practice Scores: 0/0   0/0   0/0   0/0   0/0   0/0

Working with Data

Practice Scores: 0/0

Data Visualization

No problem scores in this section

Program Control

Practice Scores: 0/0

MATLAB Sandbox

MATLAB Sandbox

Practice Scores: 0/0

Lab 1 Sandbox

Practice Scores: 0/0   0/0   0/0   0/0

Lab 2 Sandbox (0/2)

Practice Scores: 0/0   0/0   0/1   0/1

Lab 3 Sandbox

Practice Scores: 0/0   0/0   0/0

Lab 4 Sandbox

Practice Scores: 0/0   0/0   0/0

Lab 5 Sandbox

Practice Scores: 0/0   0/0   0/0

Post Course Survey

Post Course Survey

due Dec 14, 2015 at 15:30 UTC

No problem scores in this section

Take survey - my score is below 60%

due Dec 14, 2015 at 15:30 UTC

No problem scores in this section

Take survey - my score is 60% or above
due Dec 14, 2015 at 15:30 UTC

No problem scores in this section

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