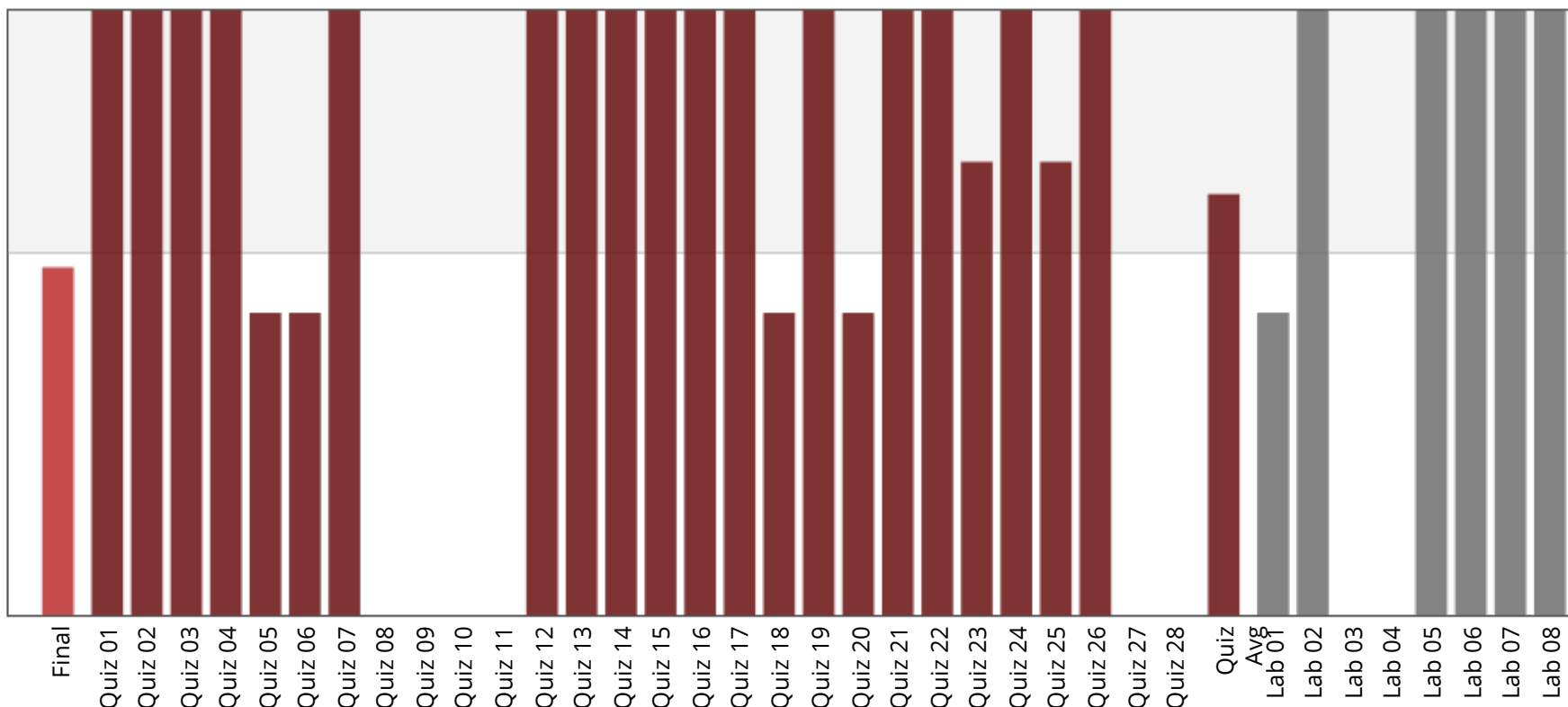


## Course Progress for Student 'KarenWest' (KarenWest15@gmail.com)



Pre-course  
Materials

Pre-course Survey

No problem scores in this section

Topic 1:  
Introduction

1.1 Course Overview

No problem scores in this section

1.2 Basic Communication System (2/2) 100%

Quiz *due Sep 29, 2014 at 16:00 UTC*

Problem Scores: 1/1    1/1

1.3 Encoding Information with Bits (2/2) 100%

Quiz *due Sep 29, 2014 at 16:00 UTC*

Problem Scores: 1/1    1/1

1.4 Lab Overview

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

## Topic 2: Representing Bit Sequences

### 2.1 Continuous vs Discrete Time Waveforms (2/2) 100%

Quiz due Sep 29, 2014 at 16:00 UTC

Problem Scores: 1/1 1/1

### 2.2 Discrete Time Bit Waveforms (2/2) 100%

Quiz due Sep 29, 2014 at 16:00 UTC

Problem Scores: 1/1 1/1

### 2.3 Representing Bit Waveforms (1/2) 50%

Quiz due Sep 29, 2014 at 16:00 UTC

Problem Scores: 1/1 0/1

### 2.4 Lab 1 - A Communication Example (2/4) 50%

Lab due Sep 29, 2014 at 16:00 UTC

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

## Topic 3: Discrete Time Channel

### 3.1 The Discrete Time Channel

No problem scores in this section

### 3.2 Effects of the Channel

No problem scores in this section

### 3.3 Linear Time Invariant Systems (1/2) 50%

Quiz *due Oct 06, 2014 at 16:00 UTC*

Problem Scores: 1/1   0/1

### 3.4 Modeling the Channel (2/2) 100%

Quiz *due Oct 06, 2014 at 16:00 UTC*

Problem Scores: 1/1   1/1

### 3.5 Lab 2 - Step Response (3/3) 100%

Lab *due Oct 06, 2014 at 16:00 UTC*

Problem Scores: 1/1   1/1   1/1   0/0

## Topic 4: Data Communication Protocols

### 4.1 Communication Protocols

No problem scores in this section

### 4.2 Thresholding (0/2)

Quiz *due Oct 06, 2014 at 16:00 UTC*

Problem Scores: 0/1   0/1

### 4.3 Asynchronous Serial Communication (0/3)

Quiz due Oct 06, 2014 at 16:00 UTC

Problem Scores: 0/1   0/1   0/1

### 4.4 A Simple Protocol (0/1)

Quiz due Oct 06, 2014 at 16:00 UTC

Problem Scores: 0/1

### 4.5 Lab 3 - Communication Protocol (0/4)

Lab due Oct 06, 2014 at 16:00 UTC

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

### 4.6 Lab 4 - Performance Evaluation (0/1)

Lab due Oct 06, 2014 at 16:00 UTC

Problem Scores: 0/1   0/0

## Topic 5: Intersymbol Interference

### 5.1 Trade-off between Bit Rate and Bit Error Rate (0/1)

Quiz due Oct 13, 2014 at 16:00 UTC

Problem Scores: 0/1

### 5.2 Intersymbol Interference (2/2) 100%

Quiz due Oct 13, 2014 at 16:00 UTC

Problem Scores: 1/1 1/1

### 5.3 Eye Diagrams (2/2) 100%

Quiz *due Oct 13, 2014 at 16:00 UTC*

Problem Scores: 1/1 1/1

### 5.4 Lab 5 - Eye Diagram (4/4) 100%

Lab *due Oct 13, 2014 at 16:00 UTC*

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

## Topic 6: Recursive Channel Model

### 6.1 Equalization (2/2) 100%

Quiz *due Oct 13, 2014 at 16:00 UTC*

Problem Scores: 1/1 1/1

### 6.2 Developing the Equalizer

*due Oct 13, 2014 at 16:00 UTC*

No problem scores in this section

### 6.3 Recursive Channel Model (2/2) 100%

Quiz *due Oct 13, 2014 at 16:00 UTC*

Problem Scores: 1/1 1/1

## 6.4 Proof of Equivalence

*due Oct 13, 2014 at 16:00 UTC*

No problem scores in this section

### Help

## Topic 7: Equalization

### 7.1 Intuition for Equalizer (2/2) 100%

*Quiz due Oct 20, 2014 at 16:00 UTC*

Problem Scores: 1/1   1/1

### 7.2 Derivation of Equalizer (2/2) 100%

*Quiz due Oct 20, 2014 at 16:00 UTC*

Problem Scores: 1/1   1/1

### 7.3 Effect of Equalization on the Eye Diagram

No problem scores in this section

### 7.4 Lab 6 - Equalization (4/4) 100%

*Lab due Oct 20, 2014 at 16:00 UTC*

Problem Scores: 1/1   1/1   1/1   1/1

## Topic 8: Noise

### 8.1 Noise

No problem scores in this section

### 8.2 Additive Noise and its Effects (1/2) 50%

Quiz due Oct 20, 2014 at 16:00 UTC

Problem Scores: 1/1 0/1

### 8.3 The Binary Channel and Calculating BER (2/2) 100%

Quiz due Oct 20, 2014 at 16:00 UTC

Problem Scores: 1/1 1/1

### 8.4 Examples (2/4) 50%

Quiz due Oct 20, 2014 at 16:00 UTC

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

## Topic 9: Bit Errors

### 9.1 Average Power in Signals

No problem scores in this section

### 9.2 Gaussian Noise Model (2/2) 100%

Quiz due Oct 27, 2014 at 16:00 UTC

Problem Scores: 1/1 1/1

### 9.3 Lab 7 - Additive Noise (5/5) 100%



Lab *due Oct 27, 2014 at 16:00 UTC*

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

## 9.4 Calculating the BER

No problem scores in this section

## 9.5 The Effect of Signal to Noise Ratio (2/2) 100%

Quiz *due Oct 27, 2014 at 16:00 UTC*

Problem Scores: 1/1 1/1

## 9.6 An Expression for BER with Gaussian Noise (3/4) 75%

Quiz *due Oct 27, 2014 at 16:00 UTC*

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

## 9.7 Lab 8 - Bit Error Rate (6/6) 100%

Lab *due Oct 27, 2014 at 16:00 UTC*

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

---

## Topic 10: Channel Coding

### 10.1 Channel Coding

No problem scores in this section

### 10.2 Block Codes (2/2) 100%

Quiz due Oct 27, 2014 at 16:00 UTC

Problem Scores: 1/1 1/1

### 10.3 Repetition Codes (3/4) 75%

Quiz due Oct 27, 2014 at 16:00 UTC

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

## Topic 11: Parity Bit Codes

### 11.1 Lab 9 - Repetition Code (3/3) 100%

Lab due Nov 03, 2014 at 16:00 UTC

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

### 11.2 Parity Bit Based Codes (2/2) 100%

Quiz due Nov 03, 2014 at 16:00 UTC

Problem Scores: 1/1 1/1

### 11.3 Lab 10 - Parity Bit Code (2/5) 40%

Lab due Nov 03, 2014 at 16:00 UTC

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

### 11.4 (9, 4, 4) Code (0/4)

Quiz *due Nov 03, 2014 at 16:00 UTC*

Problem Scores: 0/1   0/1   0/1   0/1

### 11.5 Burst Error Correction (0/2)

Quiz *due Nov 03, 2014 at 16:00 UTC*

Problem Scores: 0/1   0/1

---

## Topic 12: Summary & Review

### 12.1 Communication Protocols

No problem scores in this section

### 12.2 Equivalent Representations and Models

No problem scores in this section

### 12.3 Noise and Bit Errors

No problem scores in this section

### 12.4 Lab Summary

No problem scores in this section

## Final Exam

Final Exam (42/73) 58%

Final Exam *due Nov 10, 2014 at 16:00 UTC*

Problem Scores:

0/0	2/2	0/2	2/2	2/2	0/2	0/2	0/3	2/2	2/2	2/2	2/2	0/2	0/2	3/3	0/2	0/2
0/2	0/2	2/2	3/3	2/2	0/2	2/2	2/2	0/2	0/2	0/0	1/1	1/1	1/1	0/2	2/2	2/2
2/2	2/2	0/2	3/3													

## MATLAB Sandbox

## MATLAB Sandbox

Practice Scores: 0/0

### Lab 1 Sandbox

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

### Lab 2 Sandbox

Practice Scores: 0/0   0/0

### Lab 3 Sandbox

Practice Scores: 0/0   0/0   0/0

### Lab 4 Sandbox

Practice Scores: 0/0

### Lab 5 Sandbox

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

### Lab 6 Sandbox

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

### Lab 7 Sandbox

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

### Lab 8 Sandbox

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

## Post Course Survey

## Post Course Survey

*due Nov 17, 2014 at 16:00 UTC*

No problem scores in this section



edX offers interactive online classes and MOOCs from the world's best universities. Online courses from MITx, HarvardX, BerkeleyX, UTx and many other universities. Topics include biology, business,

## About & Company Info

About

News

Contact

## Follow Us

 Twitter

 Facebook

11/10/2014 11:10 AM

chemistry, computer science, economics, finance, electronics,  
ELEC1200.1x Progress | edX  
engineering, food and nutrition, history, humanities, law,  
literature, math, medicine, music, philosophy, physics, science,  
statistics and more. EdX is a non-profit online initiative created by  
founding partners Harvard and MIT.

© 2014 edX, some rights reserved.

Terms of Service and Honor Code

Privacy Policy (Revised 4/16/2014)

Help

FAQ

edX Blog

Donate to edX

Jobs at edX



Meetup

<https://courses.edx.org/courses/HKUSTx/ELEC1200.1x/3T2014...>



LinkedIn



Google+