



<ul style="list-style-type: none"> <li>▶ Pre-course Materials</li> </ul>	<h2>INSTRUCTIONS</h2> <ol style="list-style-type: none"> <li>1. This exam is available from <b>1 Dec 2015 9:00 (GMT+8)</b> until <b>7 Dec 2015 23:30 (GMT+8)</b>.</li> <li>2. This is an open notes exam. It is designed to be completed in 3 hours. However, you can spend more time than this and are only limited by the submission deadline. Take note that you are responsible for checking the time difference between Hong Kong and your current local time, and factoring in the effect of potential Internet or connection difficulties.</li> <li>3. The exam consists of 4 almost equally weighted sections. Section 1 and 4 have 11 points, section 2 and 3 have 13 points. Each section contains a mixture of multiple choice questions (MCQ, with single and multiple correct answers) and fill-in-the-blank questions, and a MATLAB-based problem.</li> <li>4. Each MCQ and fill-in-the-blank question can be submitted <b>ONCE</b> only. Correct answers to all the questions will be shown AFTER the due date of the exam.</li> <li>5. Each MATLAB-based coding question can be submitted <b>5 TIMES</b>. The output of your code will be given after each submission. Hints on possible errors <b>WILL NOT</b> be provided.</li> </ol>
<ul style="list-style-type: none"> <li>▶ Topic 1: Course Overview</li> </ul>	
<ul style="list-style-type: none"> <li>▶ Topic 2: Lossless Source Coding: Hamming Codes</li> </ul>	
<ul style="list-style-type: none"> <li>▶ Topic 3: The Frequency Domain</li> </ul>	
<ul style="list-style-type: none"> <li>▶ Topic 4: Lossy Source Coding</li> </ul>	
<ul style="list-style-type: none"> <li>▶ Topic 5: Filters and the Frequency Response</li> </ul>	
<ul style="list-style-type: none"> <li>▶ Topic 6: The Discrete Fourier Transform</li> </ul>	<h2>NOTE</h2> <ul style="list-style-type: none"> <li>• During the exam period, the New Post function of the Discussion page will be disabled. You will not be able to post anything, but you can still read previous discussion posts. In case you encounter any technical problems and/or have questions related to the final exam, you can send an email to <b>hkustx.elec1200.2x@gmail.com</b>. You are also recommended to check the Course Info page often for updates about the exam.</li> </ul>
<ul style="list-style-type: none"> <li>▶ Topic 7: Signal Transmission - Modulation</li> </ul>	
<ul style="list-style-type: none"> <li>▶ Topic 8: Signal Transmission - Demodulation</li> </ul>	<h2>HONOR CODE PLEDGE</h2> <div> <input checked="" type="checkbox"/> I declare that I have followed all the instructions above and the answers submitted for this examination are based on my own independent effort.         </div>
<ul style="list-style-type: none"> <li>▶ Topic 9: IQ</li> </ul>	

## Modulation




- ▶ Topic 10:  
Summary and  
Review

Click on the **Check** button after ticking the checkbox above.

---

▼ Final Exam

**Final Exam**

Final Exam due Dec 07,  
2015 at 16:00 UTC 

- ▶ MATLAB  
download and  
tutorials
- ▶ MATLAB  
Sandbox
- ▶ Post Course  
Survey

© All Rights Reserved



© edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.

POWERED BY  
**OPENedX**

