<u>Course</u>

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Resume course

Computation Structures 1: Digital Circuits Collapse all **Course Overview and Tool Documentation** Welcome to 6.004.1x! Jade Documentation Jade Sandbox Entrance Survey Course Entrance Survey ✓ 1. Basics of Information Worked Examples **Tutorial Problems** 2. The Digital Abstraction <u>Lecture Videos (33:54)</u> Worked Examples **Tutorial Problems** Assignment 1 (due Oct 17) Lecture Videos (44:58) Worked Examples **Tutorial Problems** 4. Combinational Logic Lecture Videos (47:49) Worked Examples **Tutorial Problems** Lab 1: CMOS Gates (4 Questions) Lab due Oct 25, 2016, 7:59 AM GMT+8 Lab due Oct 25, 2016, 7:59 AM GMT+8 **⊘** 5. Sequential Logic ✓ <u>Lecture Videos (37:09)</u> Worked Example **Tutorial Problems ⊘** 6. Finite State Machines

<u>Discussion</u>

Course Tools

Bookmarks

Important dates

Wed, Nov 16, 2016

Course end

This course is archived, which means you can review course content but i

View all course dates

Course Handouts

Syllabus

Lecture slides (pdf)

- 1. Basics of Information
- 2. The Digital Abstraction
- 3. CMOS Technology
- 4. Combinational Logic
- 5. <u>Sequential Logic</u>
- 6. <u>Finite State Machines</u>
- 7. <u>Performance Measures</u>8. <u>Design Tradeoffs</u>
- 6.004 Handouts

Jade Frequently Asked Questions and Tips

The Standard Cell Library

edX Handouts

- <u>Discussion Forum</u><u>Formula Response</u>

✓ Lecture Videos (42:27)

	Norked Examples
	<u>Futorial Problems</u>
\otimes	Assignment 3 (due Oct 31)
	<u>ab 3: FSMs (3 Questions).</u> ab due Nov 1, 2016, 7:59 AM GMT+8
\otimes	7. Performance Measures —
⊘ <u>I</u>	_ecture Videos (33:12)
⊘ /	Norked Examples
\otimes	8. Design Tradeoffs —
⊘ <u>I</u>	<u>-ecture Videos (37:03)</u>
\otimes	Assignment 4 (due Nov 7)
	<u>ab 4: 32-bit ALU (2 Questions)</u> ab due Nov 8, 2016, 7:59 AM GMT+8
•	Exit Survey —
② (Course Exit Survey
•	Exam (due Nov 14)



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