edX　MITx 6.004.2x
Computation Structures 2: Computer Architecture

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Course　Progress　Dates　Discussion

Computation Structures 2: Computer Architecture

Resume course

Collapse all

| ✅ **Course Overview and Tool Documentation** | ➖ |

✅ Welcome to 6.004.2x!
✅ Jade Documentation
✅ Jade Sandbox
✅ BSim Documentation
✅ BSim Sandbox

| ✅ **Entrance Survey** | ➖ |

✅ Course Entrance Survey

| ⊘ **9. Designing an Instruction Set** | ➖ |

✅ Lecture Videos (52:28)
⊘ Worked Examples

| ⊘ **10. Assembly Language, Models of Computation** | ➖ |

✅ Lecture Videos (40:10)
✅ Worked Examples
⊘ Tutorial Problems

| ⊘ **Assignment 1 (due Jan 16)** | ➖ |

⊘ Lab 5: Beta assembly language (2 Questions)
Lab due Jan 17, 2017, 7:59 AM GMT+8

| ✅ **11. Compilers** | ➖ |

✅ Lecture Videos (34:57)
✅ Worked Examples

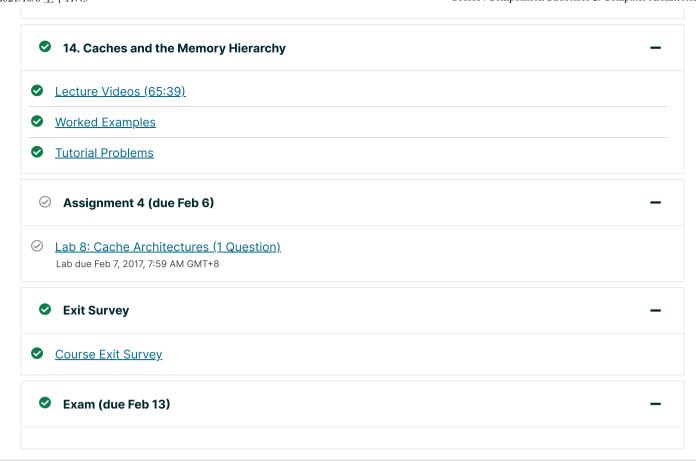| ✅ **12. Procedures and Stacks** | ➖ |

✅ Lecture Videos (35:16)
✅ Worked Examples
✅ Tutorial Problems

| ⊘ **Assignment 2 (due Jan 23)** | ➖ |

⊘ Lab 6: Writing procedures (2 Questions)
Lab due Jan 24, 2017, 7:59 AM GMT+8

| ⊘ **13. Building the Beta** | ➖ |

⊘ Lecture Videos (39:19)
⊘ Worked Examples
⊘ Tutorial Problems

| ⊘ **Assignment 3 (Exercises due Jan 30, Lab 7 due Feb 6)** | ➖ |

⊘ Lab 7: Building the Beta (2 Questions)
Lab due Feb 7, 2017, 7:59 AM GMT+8

Course Tools

🔖 Bookmarks

Important dates

📅 **Wed, Feb 15, 2017**
Course ends
This course is archived, which means you can review course content but i

View all course dates

Course Handouts

- Syllabus

Lecture slides (pdf)

9. Designing an Instruction Set
10. Assembly Language, Models of Computation
11. Compilers
12. Procedures & Stacks
13. Building the Beta
14. Caches & The Memory Hierarchy

6.004 Handouts

- Jade Frequently Asked Questions and Tips
- The Standard Cell Library
- Introduction to BSim
- Beta Documentation
- Summary of Beta Instruction Formats
- Beta Diagram
- A Brief Overview of C

edX Handouts

- Discussion Forum
- Formula Response

✅ 14. Caches and the Memory Hierarchy ━

✅ Lecture Videos (65:39)

✅ Worked Examples

✅ Tutorial Problems

◎ Assignment 4 (due Feb 6) ━

◎ Lab 8: Cache Architectures (1 Question)
Lab due Feb 7, 2017, 7:59 AM GMT+8

✅ Exit Survey ━

✅ Course Exit Survey

✅ Exam (due Feb 13) ━

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