


Midterm 2 Overview

Basic Information

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Exam Information

- 50 minutes
- 200 points
- May contain multiple choice and short answer questions



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What Will Be Covered

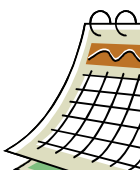
- Exam will cover Parts 5 to 7
- Lab activities
- No question will be asked that is not in the lecture notes
- Download from: athena.ecs.csus.edu/~dcook/35

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Exam Time & Date

- Section 1:
 - Monday, April 25
 - 9:00 a.m.
- Section 12:
 - Tuesday, April 26
 - 9:00 a.m.




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What you need to bring

- Exam booklets will be provided for the midterm
- So, you only need to bring a pen or pencil
- No** electronics allowed
- No** notes allowed



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Control Logic

Part 5

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Part 5 – Important to Understand

- Unconditional Jumps
- Conditional Jumps
- If Statements
- While Loops
- Switch Statements



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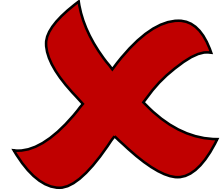
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Part 5 – Don't Worry About

- *Know it all*



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Arithmetic Logic Unit

Part 6

Part 6 – Important to Understand

- Binary Math
- Signed numbers
- Sign extension
- Intel multiplication
- Intel division
- Flags
- How Compare Works



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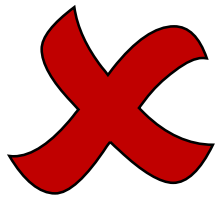
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Part 6 – Don't Worry About

- The individual flags
- The Unsigned Jumps (but understand why there are two sets).



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Addressing Modes

Part 7

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Part 7 – Important to Understand

- Immediate
- Direct
- Indirect
- Tables



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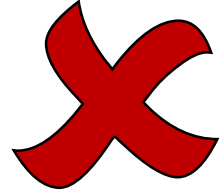
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Part 7 – Don't Worry About

- Buffer Overflow
(in the lecture notes, but not covered in class)



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