

Final Information

- 2 hours
- 300 points
- May contain multiple choice and short answer questions
- But most will have you write some code



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Exam Time

- TR 12:00 pm
 - Tuesday, December 12
 - 12:45 pm 2:45 pm
- MW 9:00 am
 - Wednesday, December 13
 - 8:00 am 10:00 am
- MW 2:00 pm
 - Wednesday, December 13
 - 12:45 pm 2:45 pm

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What Will Be Covered

- Final will cover the entire semester
- All the labs
- The project
- No question will be asked that is not in the lecture notes
- Download from:

athena.csus.edu/~cookd/35

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Part 1 – Important to Understand

- Binary & hex numbers!
- Notation (why important)
- ASCII
- Integers
- Floating point numbers



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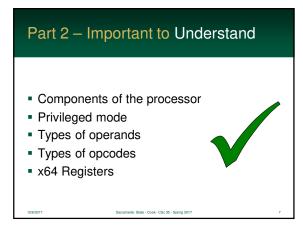
Part 1 – Don't Worry About

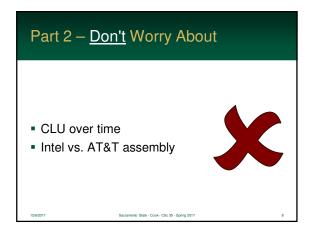
- All the different ASCII values
- Unicode and EBCDIC
- How to convert ASCII

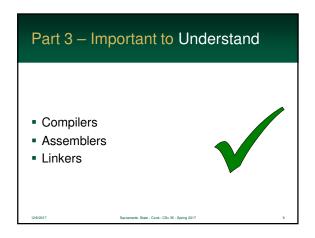


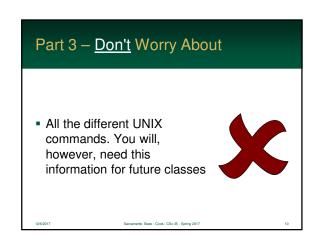
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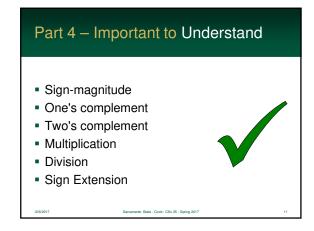
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Part 5 - Important to Understand

- Concept of flags
- How jump statements work
- How to implement If Statements, While, For, Switch



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Part 5 – Don't Worry About

- How each flag is set in particular that diagram I showed you
- Each of the flags still important if you want to be an expert



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Part 6 - Important to Understand

- What is memory (address, etc....)
- Endianness
- Addressing modes
- How arrays work
- Mario's countless crimes



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Part 6 – Don't Worry About

- Data tables
- Writing jump tables
- Mario's excuses



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Part 7 – Important to Understand

- The stack
- Passing parameters using registers
- Stack frames
- How they work on the x64



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Part 7 – <u>Don't</u> Worry About

 How to write stack frames on the x64



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