

#### Midterm Information

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



#### **Exam Format**

- Available on Canvas during normal class time
- Canvas supports multiple choice and fill in the blank
- So, I will create a variety of questions



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#### **Exam Format**

- For Fill-In-The-Answer questions, use lowercase (they are case sensitive)
- Bring scratch paper!



## Canvas & Apple Safari

- Apple Safari is an excellent web browser, *however...*
- Malfunctions have been reported when using Canvas - images don't work properly
- Please use either Chrome, Firefox, or Edge



#### What Will Be Covered

- Exam will cover Parts 1 to 5
- No question will be asked that is not in the lecture notes
- Download from: athena.csus.edu/~cookd/35

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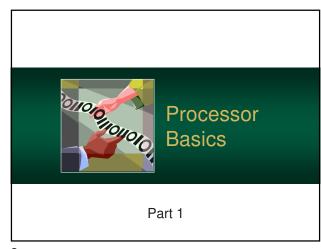
### **Exam Format**

- You can enter the Zoom lecture during the exam
- This is also so I can talk to the class if necessary and you can ask questions



You don't have be on camera

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## Part 1 – Important to Understand

- Binary numbers
- Hexadecimal numbers
- How text is stored
- Control Logic Unit
- Execution Unit

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Part 1 – Important to Understand ALU Registers Encoding basics The Clock

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# Part 1 – <u>Don't</u> Worry About

- Evolution of ASCII (still, its good to know why something is the way it is!)
- EBCDIC and the details of Unicode

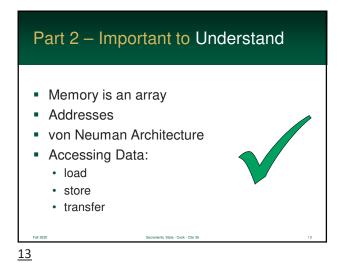
ASCII character code values

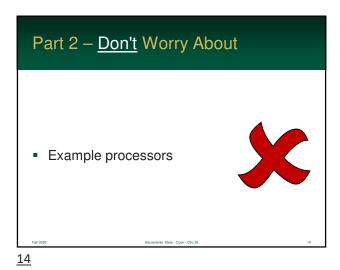


Memory **Basics** Part 2

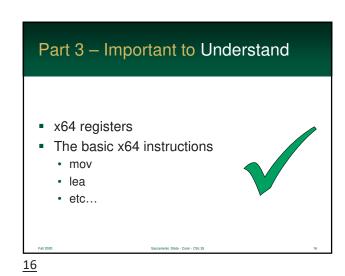
<u>12</u>

<u>11</u>

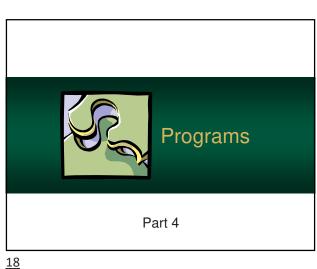


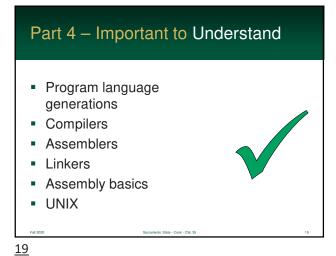


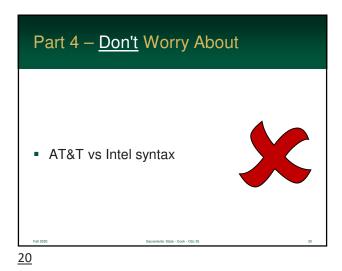
Introduction to the x64 Part 3 <u>15</u>

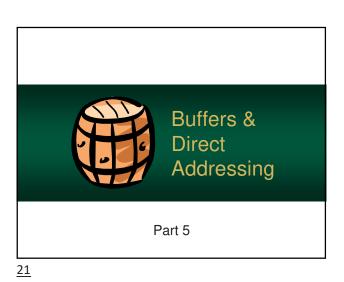


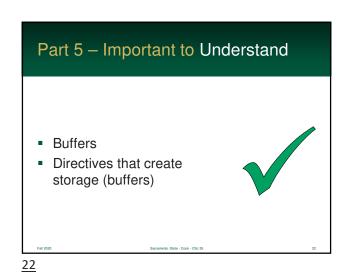
Part 3 – <u>Don't</u> Worry About History of the Intel x86 <u>17</u>











Part 5 – <u>Don't</u> Worry About ■ Know it all – we just covered the first part!

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