

EEL 3701 Exam 1 (in Honorlock)

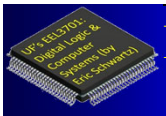
- 115 minutes (plus 5 minutes for setup)
- Questions require **understanding &**
- Questions deal with "**real stuff**"
- Relevant topics include:
  - > Class material through Lecture 14
  - > Through Lab 3 (and ALU) & HW 5
  - > ~~Mixed-logic~~
    - – SSI Logic Design & Analysis
  - > Number systems and arithmetic
  - > MSI elements, circuit design and analysis
    - – MUX, Decoder, Encoder, adders, etc.
    - – Tri-state and open-collector devices
    - – MUX to implement functions
    - – MSI expansions
  - > Boolean Algebra and K-maps
  - > **Continued on next page**

Exam 1:
- **REMOTE**
- Mon, 26 Oct
- 8:20pm
- Honorlock
- w/ Zoom



Read the following on our website's Exams page
- ***3701 Honorlock Rules & Polices***
- ***Exam 1 Info***

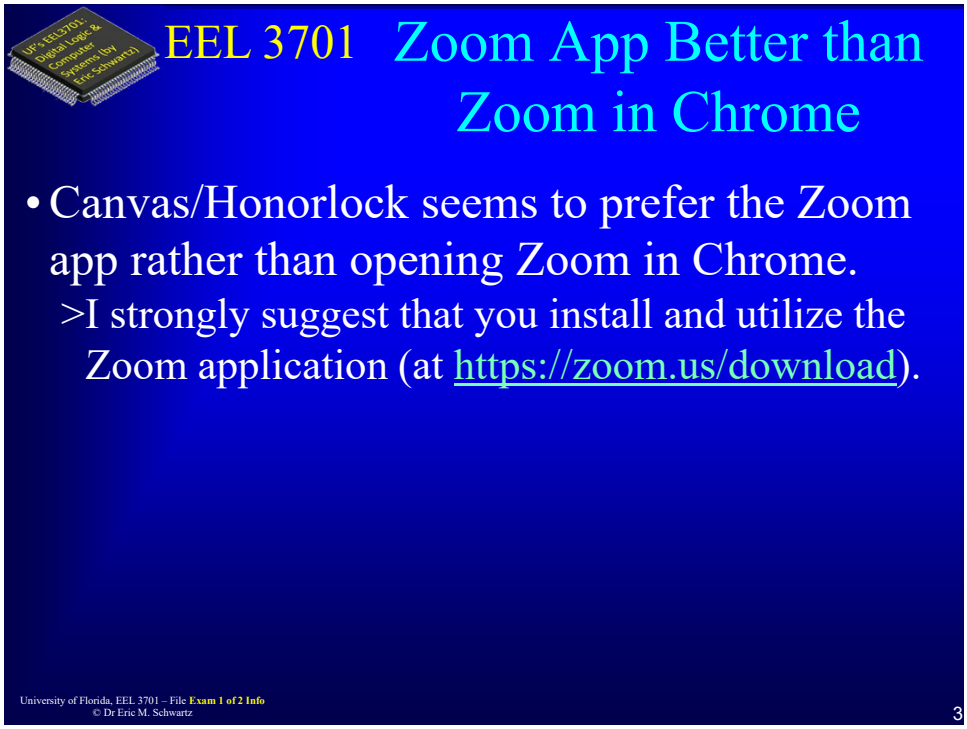
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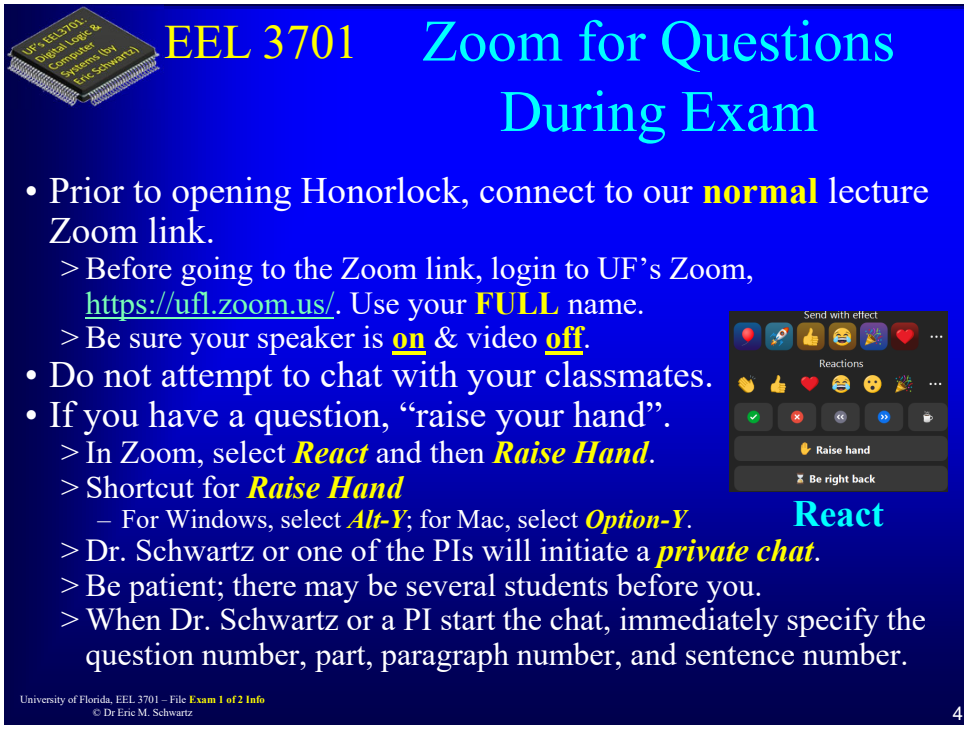
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- **More** relevant topics include:
  - > ALU
  - > DAD capabilities and usage
  - > Quartus: Design and Simulation
  - > Logic versus Voltage
  - > Circuits with feedback
    - – Latches and Flip-Flops
      - > S-R, D, T, J-K
      - > Timing
    - – Timing, Debouncing
  - > Synchronous versus Asynchronous
  - > Registers
  - > Counters and Simple State Machines

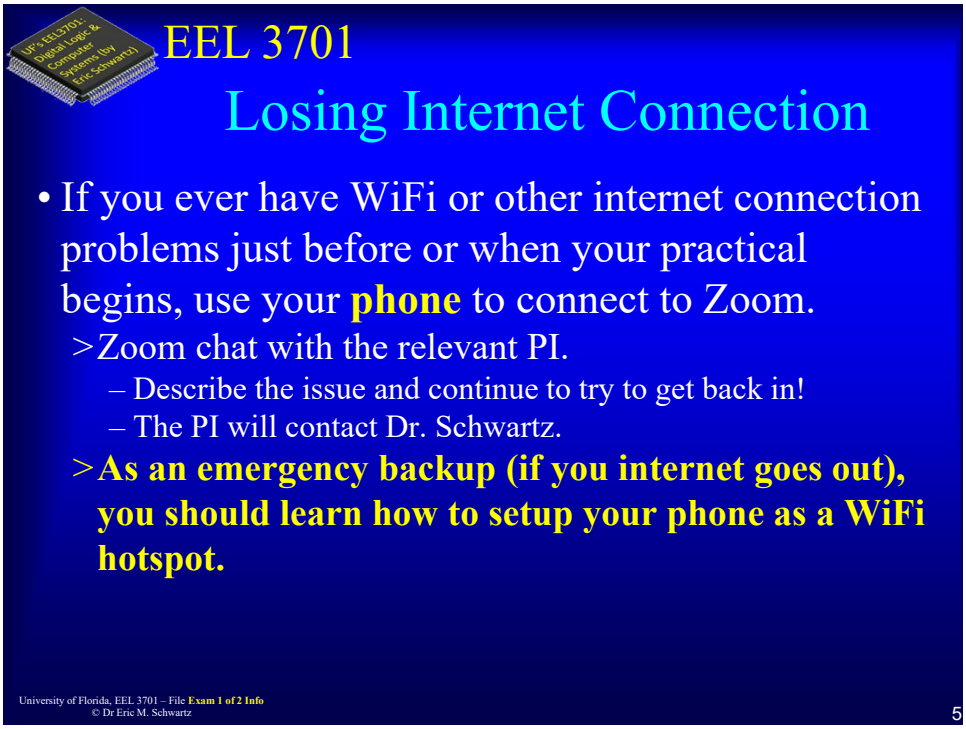
•2


EEL 3701
Zoom App Better than Zoom in Chrome
• Canvas/Honorlock seems to prefer the Zoom app rather than opening Zoom in Chrome.
>I strongly suggest that you install and utilize the Zoom application (at https://zoom.us/download).
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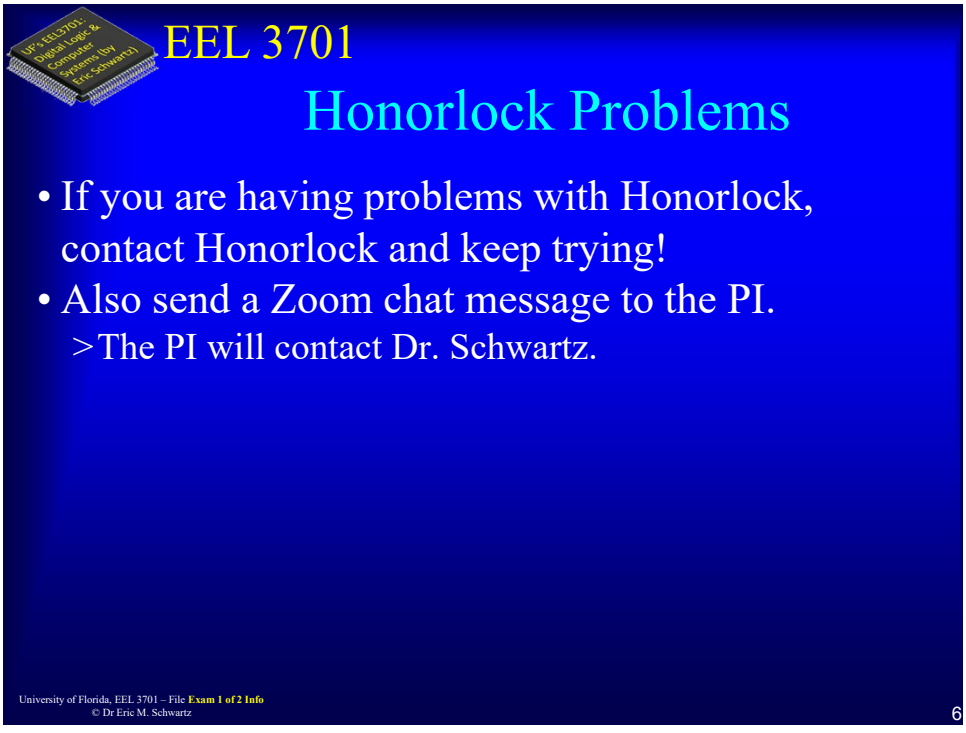
•3


EEL 3701
Zoom for Questions During Exam
• Prior to opening Honorlock, connect to our normal lecture Zoom link.
> Before going to the Zoom link, login to UF's Zoom, https://ufl.zoom.us/. Use your FULL name.
> Be sure your speaker is on & video off.
• Do not attempt to chat with your classmates.
• If you have a question, "raise your hand".
> In Zoom, select React and then Raise Hand.
> Shortcut for Raise Hand
– For Windows, select Alt-Y; for Mac, select Option-Y.
> Dr. Schwartz or one of the PIs will initiate a private chat.
> Be patient; there may be several students before you.
> When Dr. Schwartz or a PI start the chat, immediately specify the question number, part, paragraph number, and sentence number.
Send with effect
Reactions
Raise hand
Be right back
React
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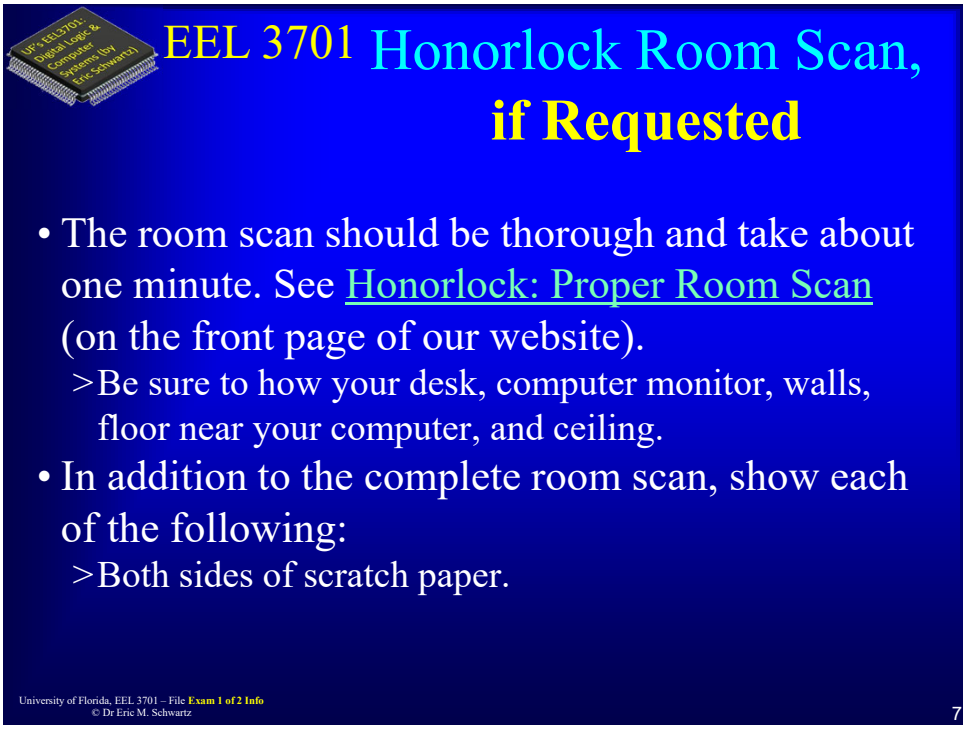
•4


EEL 3701
Losing Internet Connection
• If you ever have WiFi or other internet connection problems just before or when your practical begins, use your **phone** to connect to Zoom.
>Zoom chat with the relevant PI.
– Describe the issue and continue to try to get back in!
– The PI will contact Dr. Schwartz.
>**As an emergency backup (if you internet goes out), you should learn how to setup your phone as a WiFi hotspot.**
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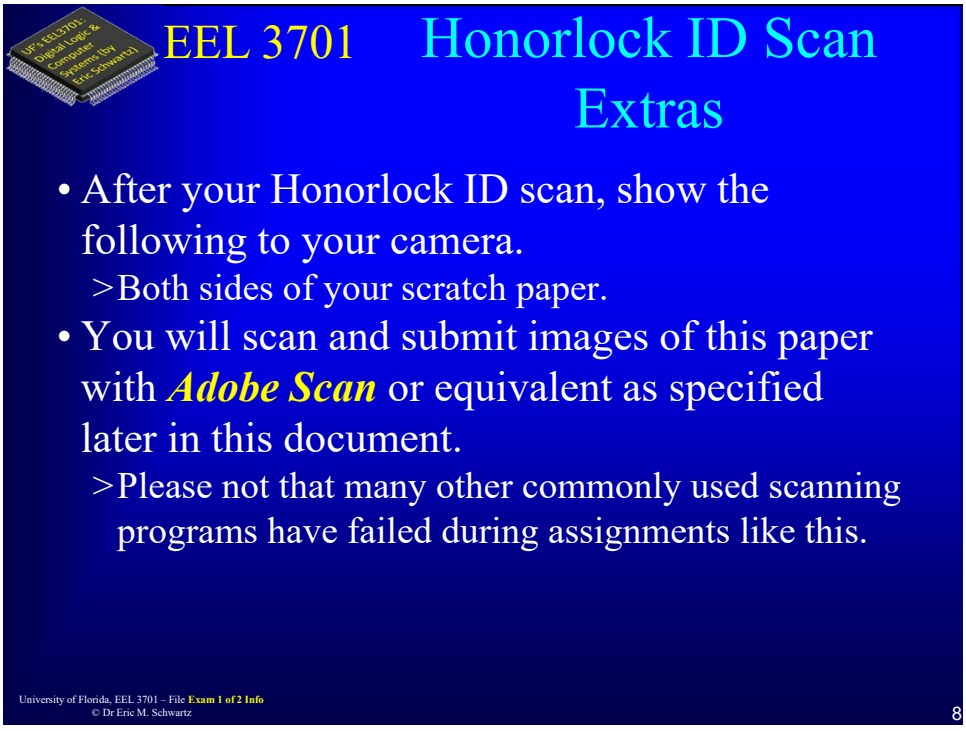
•5


EEL 3701
Honorlock Problems
• If you are having problems with Honorlock, contact Honorlock and keep trying!
• Also send a Zoom chat message to the PI.
>The PI will contact Dr. Schwartz.
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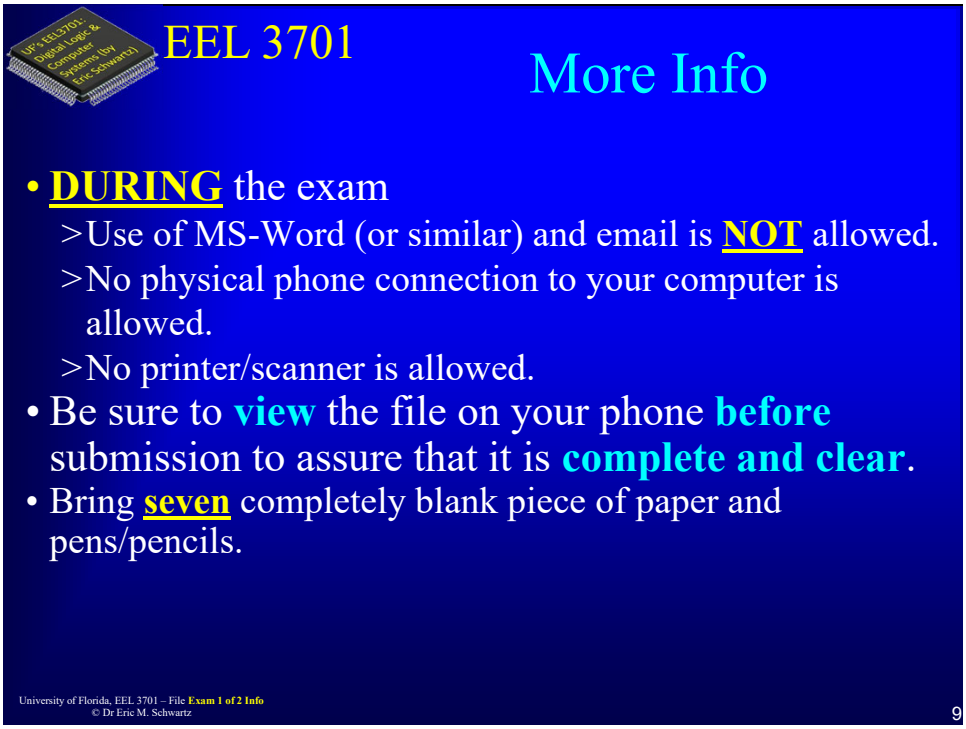
•6


EEL 3701 Honorlock Room Scan, if Requested
• The room scan should be thorough and take about one minute. See Honorlock: Proper Room Scan (on the front page of our website).
>Be sure to how your desk, computer monitor, walls, floor near your computer, and ceiling.
• In addition to the complete room scan, show each of the following:
>Both sides of scratch paper.
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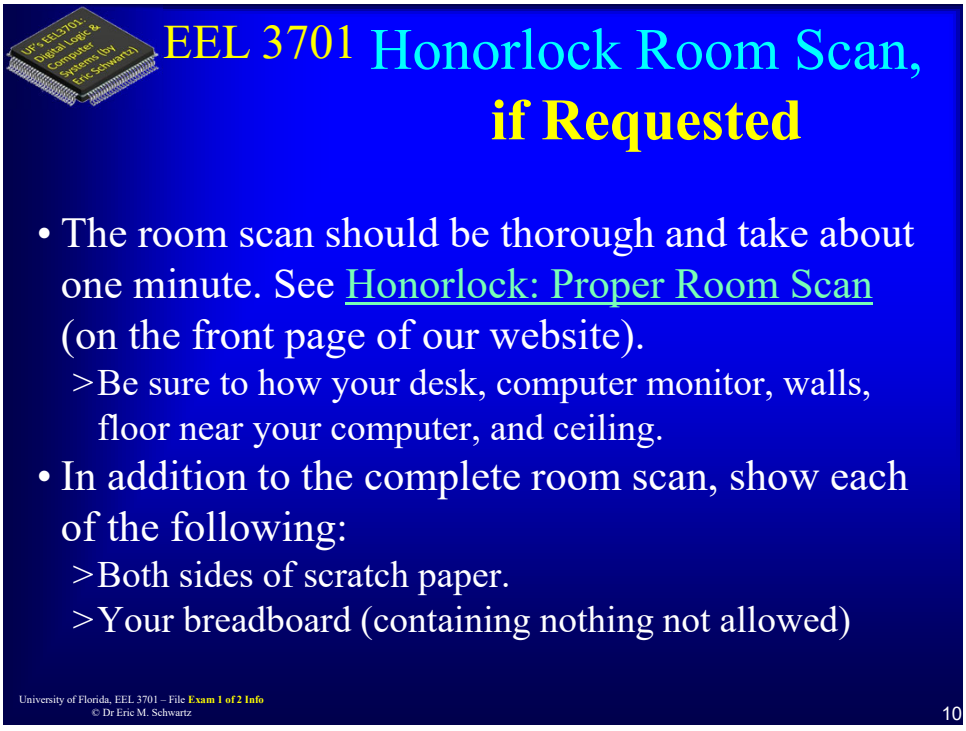
•7


EEL 3701 Honorlock ID Scan Extras
• After your Honorlock ID scan, show the following to your camera.
>Both sides of your scratch paper.
• You will scan and submit images of this paper with Adobe Scan or equivalent as specified later in this document.
>Please not that many other commonly used scanning programs have failed during assignments like this.
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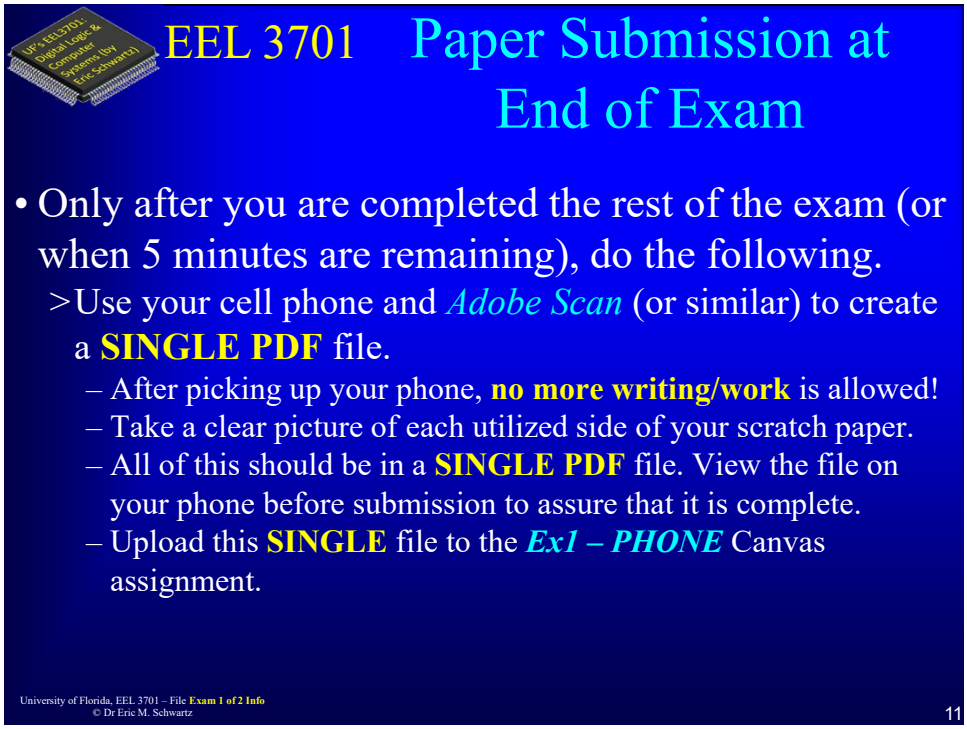
•8


EEL 3701
More Info
• DURING the exam
>Use of MS-Word (or similar) and email is NOT allowed.
>No physical phone connection to your computer is allowed.
>No printer/scanner is allowed.
• Be sure to view the file on your phone before submission to assure that it is complete and clear.
• Bring seven completely blank piece of paper and pens/pencils.
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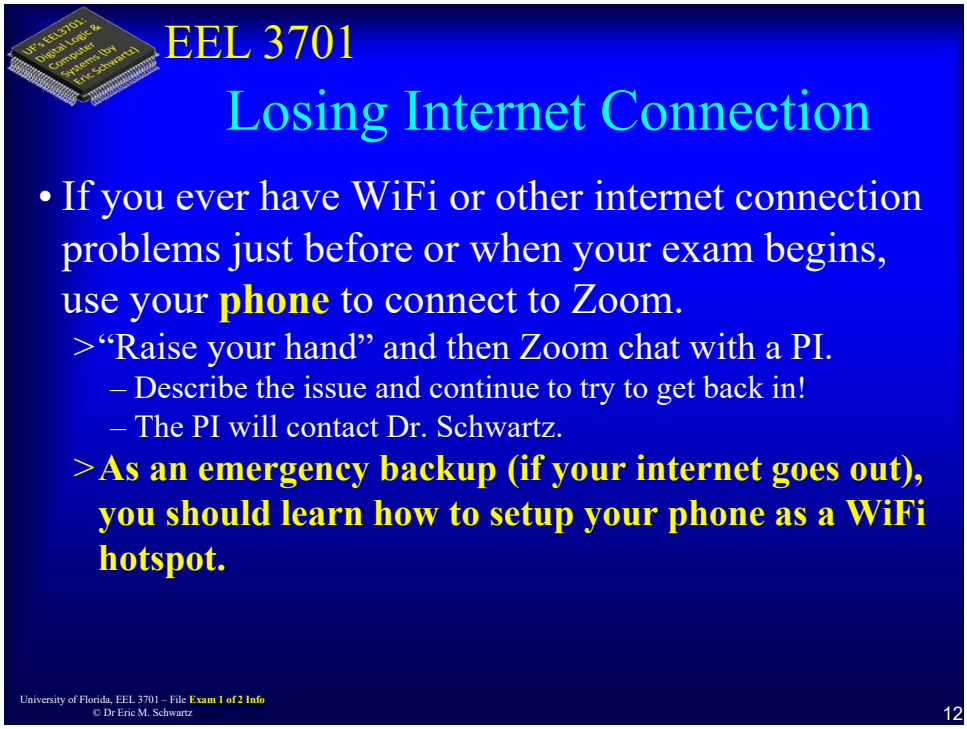
•9


EEL 3701
Honorlock Room Scan, if Requested
• The room scan should be thorough and take about one minute. See Honorlock: Proper Room Scan (on the front page of our website).
>Be sure to how your desk, computer monitor, walls, floor near your computer, and ceiling.
• In addition to the complete room scan, show each of the following:
>Both sides of scratch paper.
>Your breadboard (containing nothing not allowed)
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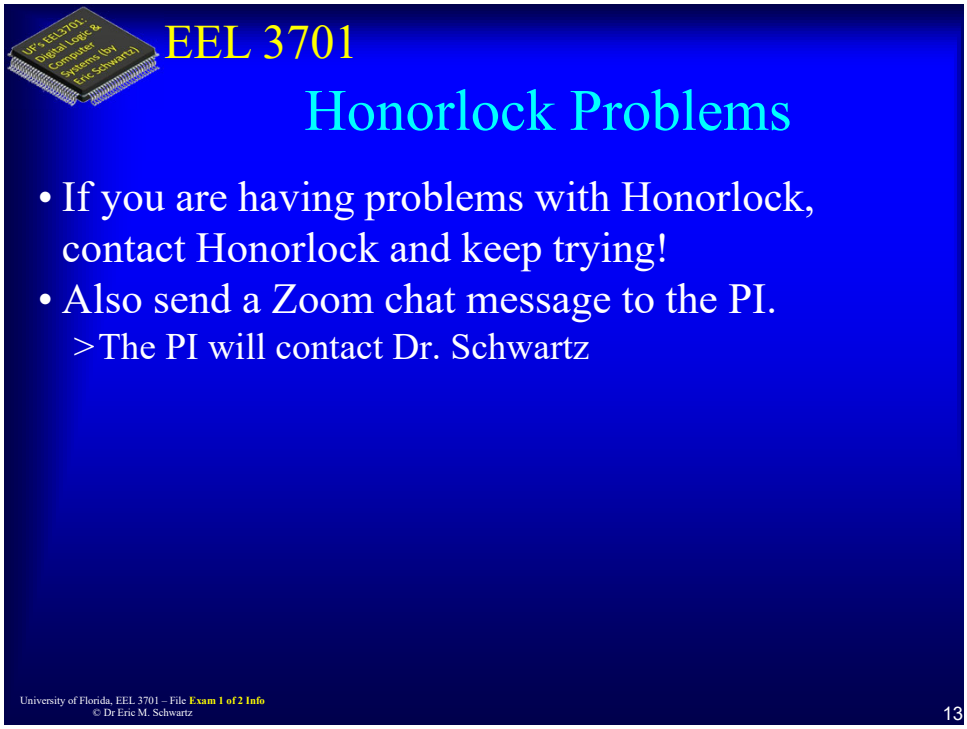
•10


EEL 3701
Paper Submission at End of Exam
• Only after you are completed the rest of the exam (or when 5 minutes are remaining), do the following.
>Use your cell phone and *Adobe Scan* (or similar) to create a **SINGLE PDF** file.
– After picking up your phone, **no more writing/work** is allowed!
– Take a clear picture of each utilized side of your scratch paper.
– All of this should be in a **SINGLE PDF** file. View the file on your phone before submission to assure that it is complete.
– Upload this **SINGLE** file to the ***Ex1 – PHONE*** Canvas assignment.
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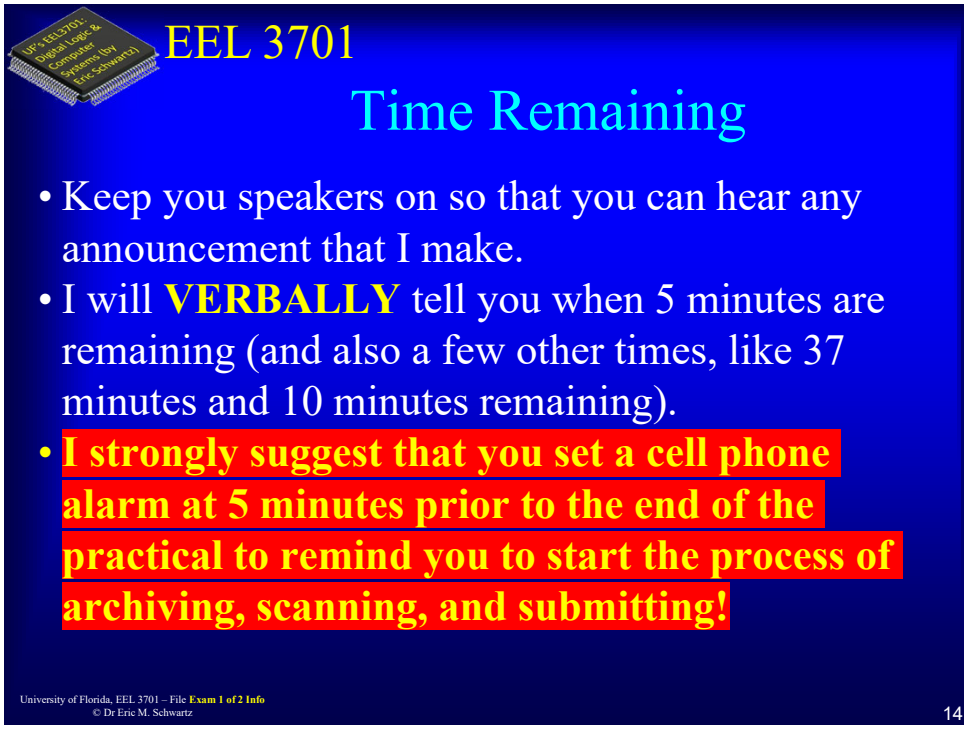
•11


EEL 3701
Losing Internet Connection
• If you ever have WiFi or other internet connection problems just before or when your exam begins, use your **phone** to connect to Zoom.
>"Raise your hand" and then Zoom chat with a PI.
– Describe the issue and continue to try to get back in!
– The PI will contact Dr. Schwartz.
>**As an emergency backup (if your internet goes out), you should learn how to setup your phone as a WiFi hotspot.**
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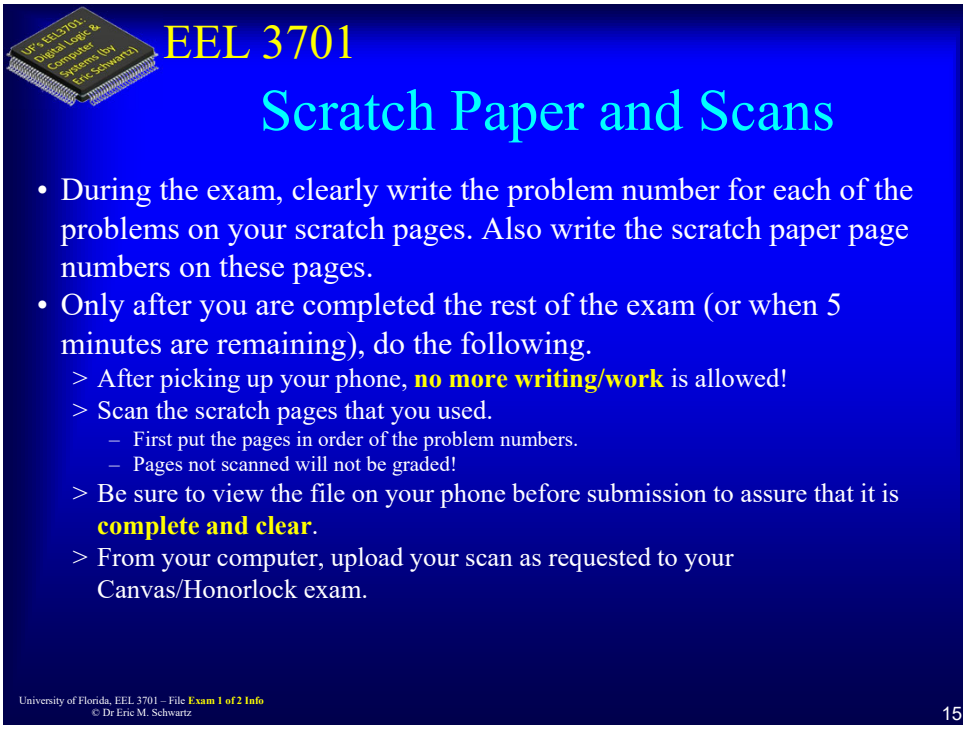
•12


EEL 3701
Honorlock Problems
• If you are having problems with Honorlock, contact Honorlock and keep trying!
• Also send a Zoom chat message to the PI.
>The PI will contact Dr. Schwartz
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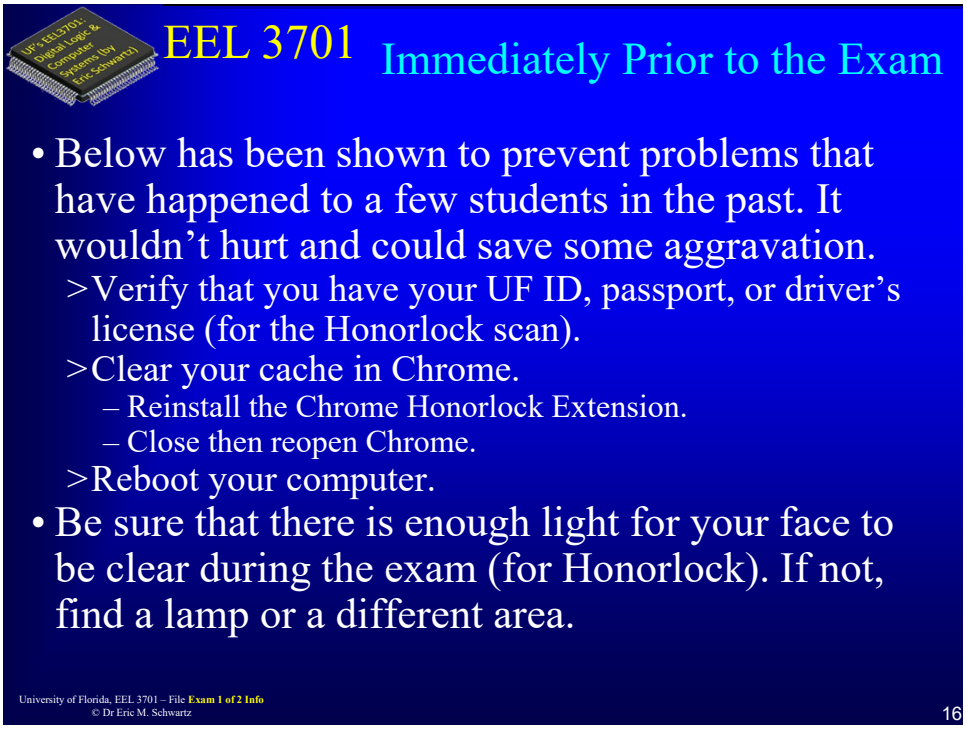
•13


EEL 3701
Time Remaining
• Keep you speakers on so that you can hear any announcement that I make.
• I will VERBALLY tell you when 5 minutes are remaining (and also a few other times, like 37 minutes and 10 minutes remaining).
• I strongly suggest that you set a cell phone alarm at 5 minutes prior to the end of the practical to remind you to start the process of archiving, scanning, and submitting!
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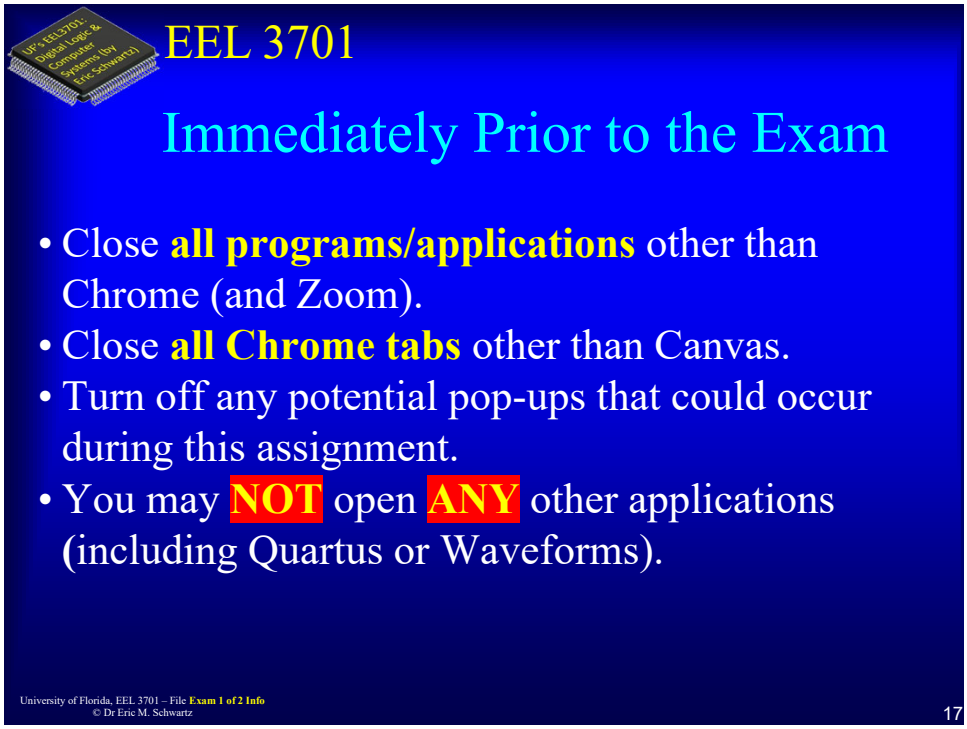
•14


EEL 3701
Scratch Paper and Scans
• During the exam, clearly write the problem number for each of the problems on your scratch pages. Also write the scratch paper page numbers on these pages.
• Only after you are completed the rest of the exam (or when 5 minutes are remaining), do the following.
> After picking up your phone, no more writing/work is allowed!
> Scan the scratch pages that you used.
– First put the pages in order of the problem numbers.
– Pages not scanned will not be graded!
> Be sure to view the file on your phone before submission to assure that it is complete and clear.
> From your computer, upload your scan as requested to your Canvas/Honorlock exam.
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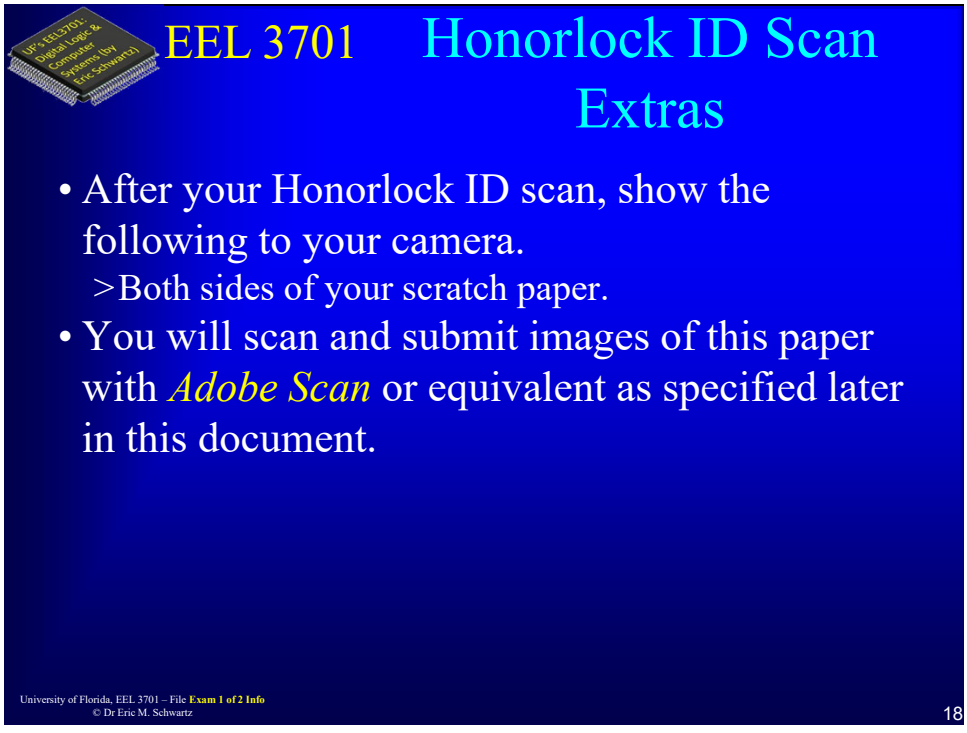
•15


EEL 3701
Immediately Prior to the Exam
• Below has been shown to prevent problems that have happened to a few students in the past. It wouldn't hurt and could save some aggravation.
>Verify that you have your UF ID, passport, or driver's license (for the Honorlock scan).
>Clear your cache in Chrome.
– Reinstall the Chrome Honorlock Extension.
– Close then reopen Chrome.
>Reboot your computer.
• Be sure that there is enough light for your face to be clear during the exam (for Honorlock). If not, find a lamp or a different area.
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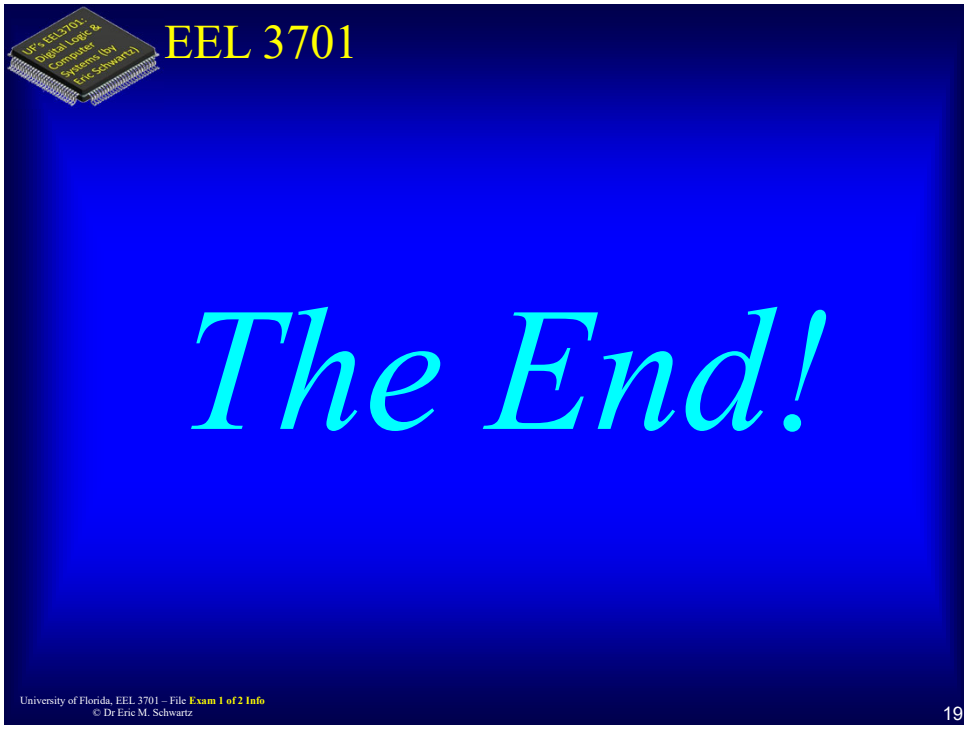
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EEL 3701
Immediately Prior to the Exam
• Close all programs/applications other than Chrome (and Zoom).
• Close all Chrome tabs other than Canvas.
• Turn off any potential pop-ups that could occur during this assignment.
• You may NOT open ANY other applications (including Quartus or Waveforms).
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EEL 3701
Honorlock ID Scan Extras
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EEL 3701
The End!
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