

Final Stretch to EECS Day (Fri. April 15, 2022) Preparation



**The journey is almost over
and you'll jump soon**

EECE404 Senior Design II
Electrical Engineering and
Computer Science
Howard University

Instructor: Dr. Charles Kim₁

EE Day → ECE Day → EECS Day (from 2017)



- **1st EECS Day - 2017**
- **2nd EECS Day – 2018**
- **3rd EECS Day – 2019**
- *** 2020 – 2021 cancelled due to Corona Virus**
- **4th EECS Day - 2022**

Toward the Goal Line

Date	Activities
T 4/5/2022	<ul style="list-style-type: none">Lecture on “Final Presentation Slide Format”, Final Report Format, and Demo set-up
T 4/12/2022	<ul style="list-style-type: none">Final class presentation (rehearsal) with Final Slide FormatDemo
F 4/15/2022	<i>EECS Day – Formal Presentation and Demonstration</i>



Goooooooooooooal !!!!

Date	Activities
T 4/19/2022	<ul style="list-style-type: none"><li data-bbox="720 334 1473 391">• Regular Class (Last class)
W 4/20/2022	<ul style="list-style-type: none"><li data-bbox="720 553 1653 610">• 8:00pm Submission of Final Report
R 4/21/2022	<ul style="list-style-type: none"><li data-bbox="720 695 1572 805">• 8:00pm: Submission of (1) Peer Evaluation
F 4/22/2019	<ul style="list-style-type: none"><li data-bbox="720 954 1279 1011">• Grade Report (due)



EECS Day Event Format (Fri 4/15/2022)

4th EECS Day Schedule (2022) @ Innovation Center

8:30 – 9:00am: Registration and Breakfast

9:00 – 9:15am: Welcome and Overview (CEA Dean Anderson)

9:15 – 11:45am: Design Project Presentation (EE/CpE + CS)

12:00 – 1:00pm: Lunch

1:00 – 1:45pm: Keynote Speech

1:45 – 2:15pm: Project Demonstration

2:15 – 3:00pm: Awards

3:00 pm: Adjourn

3:15pm: JUMP! (?)



EECS Day Event Format

9:15 – 11:45am: Design Project Presentation (EE/CpE + CS)



- Each team has 30 minutes
- 20 - 25 min presentation
(running video clips helps)
- 5 - 10 min Q&A



EECS Day Event Format

1:45 – 2:15pm: Project Demonstration



- Active interaction with visitors
- Use computer or monitor screen as poster board
- Expect to entertain the visitors for 30 minutes

ECE Day Grading

- Grading focus/rubric
 - The project's problem/need and design requirements are clearly presented
 - Presentation slides, with legible texts and good visuals, are helpful in understanding the content
 - Presenters face the audience and speak professionally in confidence

Final Presentation Slide Format (20 - 25 minutes)

- 1. Cover (1 slide) [00:00]**
 - Title and Members & faculty advisor & date
- 2. Problem Definition (1 – 2 slides) [01:00]**
 - Background
 - 2021- 2022 academic year goal
 - Problem Statement
- 3. Design Requirements (1 - 2 slides) [04:00]**
 - Refined Problem Definition
 - Design Requirements: emphasis on **constraints and rules and regulations**
- 4. Solution Design (1 – 2 slides) [07:00]**
 - Explanation of the final solution design with schematics and diagrams
- 5. Implementation Process (5 - 10 slides) [10:00]**
 - Assigned tasks (by sprint) for solution implementation
 - **Photos, screen shots, circuit diagrams**, etc, etc.
 - Testing of the integrated system
 - **Video clips**
- 6. Conclusions (1 slide) [20:00]**
 - Crisp and clear summary of the presentation

Presentation Visuals - Revisited

- Slides for Presentation Assistance
 - One nice figure is better than a thousand words.
 - Discrete, not continuous: **Bullet Items (no complete sentences)**
 - Much more visually-oriented
 - Make a slide design simple and crisp
 - No uppercase all the time

Team Presentation - Revisited

- Plan ahead and do practice, a lot.
- Decide Position and Roles in advance
 - how you will position yourselves
 - what they will do while another member is speaking?
- Make sure that
 - Everyone in the group is doing his/her share
- Q&A
 - Make sure you understand the question
 - Knowledgeable humility is the best ally



Dress Code

- (T) April 12 Dress Rehearsal Presentation
 - Business casual
 - Business
- (F) April 15 EECS Day
 - Business



Final Report Format

- **1. Cover Page :**
- **2. Summary (****):**
- **3. Problem Statement**
- **4. Design Requirement**
- **5. Solution Design**
- **6. Agile Plan (Weekly)**
- **7. Project Implementation Process (****)**
- **8. Conclusions**
- **9. References**

Final Report Format

- NOTE:
 - Build from last semester submissions
 - Write in full sentences.
 - Do not bullet itemize
- **1. Cover Page**
 - Project Title, Project Team Members, Faculty Advisor, Date
- **2. Summary (****)**
 - 1 paragraph of condensed description of the entire report

Final Report Format

- **3. Problem Statement** (start from last semester's)
 - Project goal
 - 1 paragraph or sentence problem statement
- **4. Design Requirement (***)**
- **5. Solution Design (*****)**
 - **Patent-Like Description (*****)**
 - Drawings/Figures should have indicating numbers
 - Text body should include numbers for corresponding parts in the figures/drawings

Final Report Format

- **6. Project Implementation Plan (Agile)**
 - Use this semester's submission
- **7. Project Implementation Process(****)**
 - Describe what you have done
 - Figures and Pictures
 - Flowcharts & Screen Shots
- **8. Conclusions**
 - Concise and condensed conclusions
- **9. References**

Recap - Goooooooooooooal !!!!



APRIL 2022

SUN	MON	TUE	WED	THU	FRI	SAT
		5	6	7	8	9
3	4	12	13	14	15	16
17	18	19	20	21	22	23

Lecture: Final Slide format & Final Report

EECS Day - Final Presentation

Class Presentation Rehearsal

Last Class

Final Report Submission Due

Grade Post Due

Peer Evaluation Submission Due

