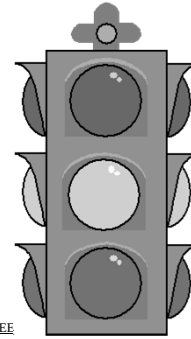


EGN 1935: *ECE (Ad)Ventures*

Menu

- Final project/competition
- Presentation and PowerPoint
 - > Latest MIL show
- MIL/CIMAR videos (and field trip)
 - > SubjuGator Video
 - Intro: 2015: <https://youtu.be/Qd421moL.U0> 2014: <https://www.youtube.com/watch?v=cmNSC6u0mEE>
 - See also <https://www.youtube.com/user/SubjuGatorUF>
 - > PropaGator Video
 - Intro: 2015: https://youtu.be/oSh3_Yc25Y4 2014: <http://youtu.be/TBPfQktjnd4>
 - Recent: <http://www.youtube.com/playlist?list=PLDwP3qsTjWS8vqXkVOfxYCKqd69EcWP-p>
 - See also http://propagator.org/?page_id=2600
 - > Urban Grand Challenge Videos
 - > Others?
 - > Go to MIL and CIMAR



See examples on
web-site:
06_Project.pptx

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Competition Description

- Walled-path with start and end lines
 - > See next page for more course info
- Walls will be 2x6's
- The object of this competition
 - > Go through the path from the starting line to the end line
 - > Turn around at the end line and then come back to the start line
 - > Continue past the start line and stop in the “carport.”
 - The carport will have a roof, but may have no walls.
 - > PowerPoint presentation to class is part of competition
 - > Time is important
 - > Bonus points will be added for effects and elegance of solution
 - Sound, smooth motion, etc.

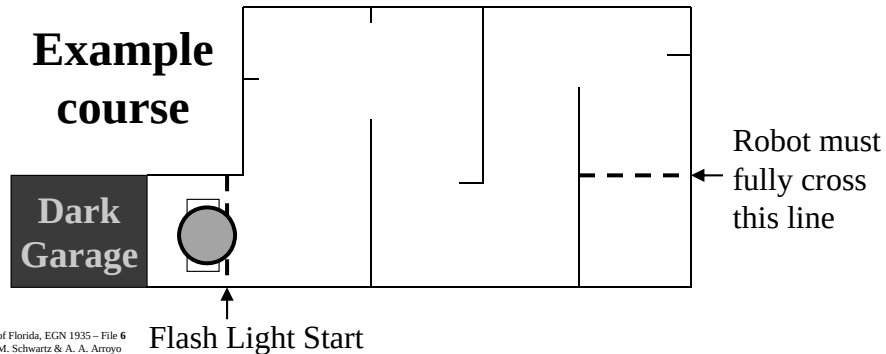
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EGN 1935: ECE (Ad)Ventures Final Competition Layout

1. Robot must wait on starting line for IR “GO” signal, indicated by a flash light.
2. Team must ***tell story about where there robot is going and why.***
3. Robot must fully cross destination line, then turn around.
4. The robot must return to the garage, stop, and beep. (The time elapsed from the GO to the beep will be stated by the TA for the video recording.)



3



EGN 1935: ECE (Ad)Ventures Teams and Schedule

- You will be in the same teams you have used also semester (3 or 4 students)
- Each team will have the opportunity to make 2 videos
 - > The videos will be posted on our website
- Each team will make a give a PowerPoint presentation on **Tuesday, 19 April**, during our **LAST** class (i.e., there will be ***NO* CLASS OR LAB** on Tues, 12 Apr)
 - > One of the two videos of the robot in action should be part of the presentation
 - Email Dr. Schwartz about which video you want to present
 - Dr. Schwartz will put that video file on the presentation computer desktop
 - Email your presentation to Dr. Schwartz by **2pm on Monday, 18 Apr, to EGN1935@gmail.com**

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EGN 1935: *ECE (Ad)Ventures*

Presentation Content: Title Page

- Title Page
 - > Course Number and Name (EGN 1935: *ECE Adventures*)
 - > Team name, Robot name
 - > Team members names
 - > Semester and year (e.g., Fall 2037 or Spring 2042)
 - > Example title page on next page

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EGN 1935: *ECE (Ad)Ventures*

Team: TermaGator Crew

Robot: TermaGator 37

Spring 2016

Team Members

Candy Kane

Joe Mama

Clem Cadidalhopper

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EGN 1935: *ECE (Ad)Ventures* Presentation Content: Summary

- Summarize the content of your presentation
- For example:
 - > Member biographies
 - > Robot Story
 - > Team conclusions

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EGN 1935: *ECE (Ad)Ventures* Presentation Content: Biographies

- Bio of each team member (at least one page per)
 - > Year (freshman, sophomore, etc.)
 - > Major
 - If major changed during this semester, old major/new major
 - > What you gained/learned in this course
 - > How will this course affect you in the future
 - > UF plans and goals
 - > Career plans and goals
 - > Words of wisdom to pass on to the next group of students (or your brother/sister)
 - > Example bio on next page

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EGN 1935: *ECE (Ad)Ventures*

Bio of Joe Mama

- 2nd semester Freshman
- Before this semester I was going to be a Professional Wrestling major
- After taking this course, my major is now EE (but I'm also consider CE and ME)
- This class has shown me that engineering can be fun! I've learned to use several pieces of equipment including multimeters and oscilloscopes
 - > I now have a basic understanding of circuits, signals, sound, sensors and motors
- I will definitely get involved in some projects while at UF

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Bio of Joe Mama (continued)

- I want to make the first wall climbing robot at UF.
- I want to start my own company (Joe Mama Inc.) after working at a big company for 2-3 years. I want to invent something cool!
- UF classes can be fun if you find the right ones (like this one). Go to sports events, do intramurals or clubs and get involved in competition teams.

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EGN 1935: *ECE (Ad)Ventures* Presentation Content: Robot Story

- Have your team come up with a story about your robot's travel through the maze

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EGN 1935: *ECE (Ad)Ventures* Presentation Content: Team Conclusions

- Have your team come up with a single statement of what you have gained/learned in this course and words of wisdom to pass on to the next group of students (or your brothers/sisters)

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EGN 1935: *ECE (Ad)Ventures* Presentation

- Use PowerPoint (see 06_Project.pptx on website)
 - > If you have your own laptop, you can use a different presentation program  **06_Project.pptx**
- Presentation length is **4-6 minutes** (including video)
 - > **No more** than 6 minutes (including your video), **please!**
- All team members should contribute to the presentation creation and all members should speak
- We will video tape the presentations and post them on the web
 - > Dress up for the presentation
 - **Date clothes or better**
 - No shorts, t-shirts or flip-flops

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EGN 1935: *ECE (Ad)Ventures* PowerPoint Presentation

- Use a dark background with light fonts or a light background with dark fonts
 - > The former is generally better than the latter
 - > Be sure that all fonts can be easily seen
- All fonts should be at least 20 pt, but this is a minimum. For example: This is 32pt
 - > This is 28pt
 - This is 24pt
 - This is 20pt
- Do **NOT** put too much info on a single slide

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EGN 1935: *ECE (Ad)Ventures* PowerPoint Presentation (Continued)

- Only the important points should appear on the visual aids
 - > The speaker fills in details orally
- Use figures, diagrams, photographs, graphs and tables
 - > Figures are better words
- Avoid detailed, complex figures
- Demonstrations or videos enliven a presentation
- Practice your presentation before the event

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EGN 1935: *ECE (Ad)Ventures* Video

- Each of the two robot video that are taken in lab should start with the below statement:
 - > This is EGN 1935: *ECE Adventures* in Spring 2016 with Dr. Arroyo and Dr. Schwartz. Our TA is [Mason Turner or Khaled Hassan].
 - > Our team's name is: _____
 - > Our robot's name is: _____
 - > My name is: _____
 - > My name is: _____
 - > My name is: _____
- After the statement, give a running commentary about what the robot is doing
- Add concluding remarks

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All About the Bling

- “Scholarship” (prizes)
WILL be awarded