

Information Session - August 28, 2019

# Officer Intro

- President: Collin Thornton
  - Vice President: Fernando Cavazos
  - Treasurer: Joel Quarnstrom
  - Mechanical Lead: Hunter Yell
  - Electrical Lead: Lauren Brown
  - CEAT StuCo Rep: Matthew Petty
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# Advisors

- Faculty Advisor: Dr. Jeffrey Callicoa
- Co-Advisor: Dr. He Bai

# Fall 2019

- Meetings on Wednesday evenings
    - Tutorials on systems critical to competition
  - Design Teams
    - Minimum of 4 participants per team
      - Team leader, robot handler, robot operator, technical assistant
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# Funding

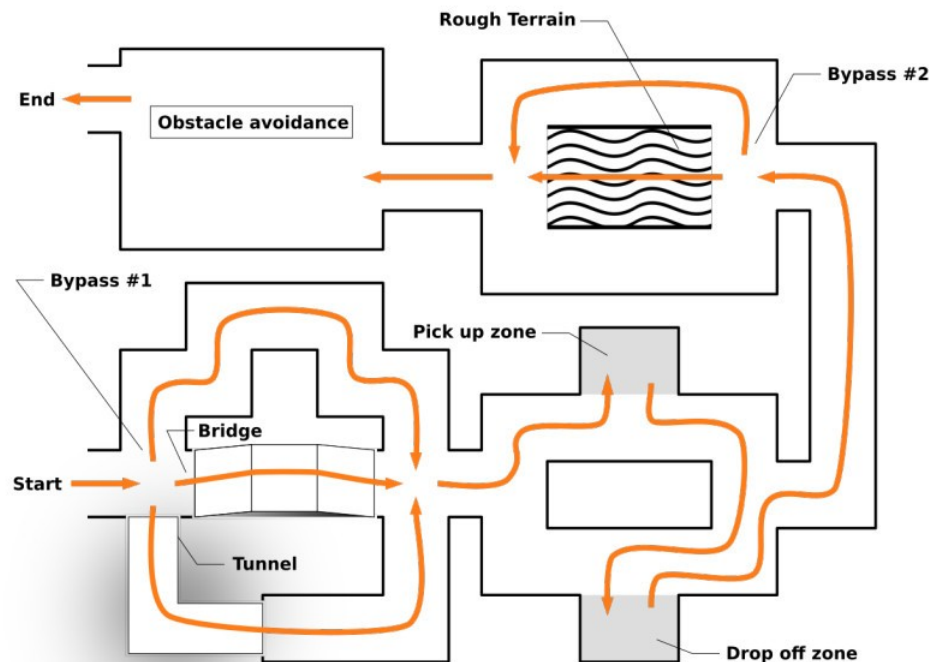
- Design presentations take place in the weeks before the semester ends
    - Teams must present a detailed project overview, inclusive of a project timeline, that fully justifies system cost
  - Parts lists will be submitted to the officer team
  - Funds will be disbursed at organization's discretion
  - **Keep in mind that a major part of engineering is reducing costs**
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# Competition

- <https://mercury.okstate.edu/content/mercury-challenge>
- A room will be provided on campus for the operators
- Autonomous Section
  - Invites control theory centric problem solving
  - Relevant to real-world applications
- Bypasses
  - Variable scoring in sections - related to difficulty



# Competition Field Overview



# Tutorial Sessions

- Sep 4: Dr. Callicot – Overview of engineering design
  - Sep 11: Fernando – Powering Mercury Robots
  - Sep 16: ABB – Industry Info Session
  - Sep 18: TBD – Networking w/ ESP8266
  - More to follow
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# Team Formation

- <https://mercury.okstate.edu/content/osu-team-signups>

