

MPO Walkthrough

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Meta-info of MPs

- For this course, MPs worth 40% of the total grade
 - We plan to release 5 MPs (MP0 to MP4); each worth 8%
- MP report can be submitted in 2-5 people and should be uploaded to Gradescope
- Gradescope enroll code: D5KEJV



Meta-info of MPs cont'd

- For each MP, there will be a written section and a coding section
- Written section usually contains 2-5 questions
 - Handwritten submissions are accepted, but must be readable
- Coding section
 - Software requirements:
 - Ubuntu 16.04 or 18.04(experimental)
 - ROS Kinetic or Melodic
 - Gazebo 9
 - Python 2.7
 - Although we provide EWS lab machines, we strongly encourage students to **set up virtual machines on their own computers**
 - An VM image is provided on the course website under the *Resources* tab



MPO - Safety Verification

- In this MP, there are 4 written questions and 4 coding questions
- The written questions will be related to end-to-end safety and invariant proof covered in the lecture
- For the coding section, you will be given a safety scenario in ROS/Gazebo environment.
- This MP is designed in a way for you to familiarize with the software and tools
 - You DON'T have to write any code in the coding section
 - Instead, you will be running the script with different arguments and answer corresponding questions
 - Reading through the MP code is strongly recommended; might give insights about project

