RAM205 Rover Test Document

Final Assessment

4/16/2025

Use the p03_test_rover.py template file provided to complete final testing of your rover.

1. Copy the p03_test_rover.py file to your **weekFinal** directory. A wget command is provided on the Week 13 page.
2. Edit the template to include the required code indicated by the #TODO comments. Not the #TODO included in the comment section for the Warner test.
3. You must create a rover object using the factory and use this object as the entry point when writing required statements that test features.
4. RGB_LED and LED objects were not added to the factory during class. This code is also #TODO for you. Additionally, an update() function for the Gimbal was an earlier #TODO. See comments in the Gimbal test for requirements.
5. Submit weekFinal.zip by end of week to the link provided. Do your own work. This is a final course assessment. Do not share code or provide assistance.

Grading

- weekFinal.zip file submitted with Rover and tests subfolders.   20
  - Other files must be minimal
  - rover classes in model folder
  - rover tests in tests folder
  - files named as specified
- Test file, factory, and classes updated as required. Valid Python coding.   10
- Rover factory creates the rover object and adds all required components   10
- Object passes test. Call to rover component is valid and as specified.   60