

RAM205 Rover Test Document

Final Assessment

11/19/2025

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

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. *Note 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 for all statements that test rover actions and features.
4. The Gimbal class was not completed in class, and you were directed to complete on your own. The class must be complete including the following methods: up, down, left, right, and center.
5. RGB_LED and related LED objects were not added to the factory during the class session. This code is also #TODO for you.
6. Submit weekFinal.zip to the link provided by the deadline shown on the course site. Do your own work. This is a final course assessment. Do not share code or provide assistance.
7. Please double check your zip file to verify the code for the entire weekFinal solution is included. The zip file must include the organized solution with model and tests directories.

Grading

- weekFinal.zip file submitted with model 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