

AME 30358 – Design Report Score Sheet

M12 – Autonomous Vehicle

NDID#: _____

Item and Description	Points Awarded	Possible Points
Overall quality of writing (spelling, grammar, readability, captions, and discussion)		4
Summary – Explains the goal of the project, then lists any important performance metrics for the vehicle.		4
Design Overview - Explains the basic logic behind the vehicle design.		4
Schematic* illustrating the basic layout of the vehicle.		4
Table containing a bill of materials (BOM) for the vehicle.		4
Results – Discuss how well the vehicle performed. List the benchmark tests that it successfully completed.		4
Conclusions – Summarizes the project, lists the shortcomings of the design, and proposes future improvements to be made.		4
TOTAL		28

* No hand drawings—this must be made using computer software. Drawings must have labels indicating what the various components are.

Overall quality of writing – The student must clearly explain the procedure and *discuss* the results using college-level English. Reports should avoid long-winded descriptions of the experimental method and focus on discussing the results per the suggested talking points in the lab handout.

Format

- Use a 12 point “serifed” font such as Times New Roman.
- Document should be double-spaced.
- Document should have 1” margins in all directions.
- Page numbers are required centered at bottom of screen.
- Equations must be numbered.
- All variables must be italicized.
- All variables in an equations must be defined (i.e. “where c is the speed of sound”).
- Plots should always have axes clearly labeled with units.
- Plots should always be centered with captions beneath labeled Fig. 1, etc.
- Tables should always be centered with captions above labeled Table 1, etc..
- Captions should be the same font as the rest of the document.
- References should follow the ASME format.
(<https://www.asme.org/shop/proceedings/conference-publications/references>)