

USAR Design Proposal Grading Rubric

Due: Tuesday, March 15, by 4:30pm on Gradescope

Group Number: _____

TA: _____

Group Members: _____

Please submit in pdf format to Gradescope on Tuesday, March 15 AND bring a hardcopy to class on Wednesday, March 16. Make sure all team members' names AND andrew IDs are on front page.

Criteria	Points
Introduction: Describe problem, plan for building robot, design constraints	/ 7
Create and explain five design criteria to evaluate robot designs	/ 10
Design 1 <ul style="list-style-type: none"> - Drawings with multiple perspectives (7) - Key components labelled (3) - Description of design and unique features (5) - Evaluated with selected criteria (7) - Operating procedure/user interface (3) 	/ 25
Design 2 (Same grading criteria as Design 1)	/ 25
Design 3 (Same grading criteria as Design 1)	/ 25
Discussion of Localization	/ 5
Bill of Materials for Additional Parts	/ 3
Total	/ 100

Note: No credit will be given for similar or duplicated designs that do not appreciably affect performance of the robot (e.g. three robots with identical bases and different wheels). If you are concerned designs are too similar, ask the TA's during office hours or in a **private** Piazza post