

basic rubric for the design proposal

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Section or element of proposal	Content of section	Comments/suggestions
Introduction	<ul style="list-style-type: none"> •Context of challenge •Motivation • High level overview of the proposed design is a good idea. 	
Requirements	Criteria for a successful robot; often also include the constraints	
Hardware Plan and Rationale		
Control architecture and rationale		
Necessary algorithms and rationale		
Software plan and rationale		
Risks and Assumptions		
Plan for development and back up plan		
Proposed schedule with milestones	Include fabrication, testing, redesign, and final implementation	A graphic schedule is useful but a table of milestones works, too
Conclusion	Pull together major design ideas	
Graphics	<ul style="list-style-type: none"> • Block diagram showing overall design seems to be expected by professors 	Be sure graphics are informative and not decorative; make sure that each graphic is labeled, titles and referred to and explained in the text.
Document elements	page numbers, informative headings, short table of contents, sources cited if applicable,	