

Grading Criteria for Assignment 3: Progress Report

Demonstrates awareness of audience and purpose	15	
<input type="checkbox"/> Employs appropriate technical style and tone for designated audience; uses first-person sparingly and only where necessary for clarity		
<input type="checkbox"/> Includes appropriate level of detail in the body of the report for designated audience and genre; does not assume that reader already understands what is being discussed		
<input type="checkbox"/> Includes essential figures and tables of results in the body of the report; includes requested information in appendices and refers to it in the report		
Demonstrates understanding of the design problem	20	
<input type="checkbox"/> Summarizes primary project goal, including how achievement of the goal will be evaluated		
<input type="checkbox"/> Identifies parameters and metrics		
<input type="checkbox"/> Identifies constraints that impact design decisions and notes additional constraints and specifications as appropriate		
<input type="checkbox"/> Relates parameters and constraints to project goal		
Demonstrates understanding of design practices and ability to apply design methods	25	
<input type="checkbox"/> Clearly describes parameterization of three trusses		
<input type="checkbox"/> Discusses how results of parametric studies were used to inform design decisions		
<input type="checkbox"/> Discusses relationship between value of parameters and pertinent member forces and cost of truss		
<input type="checkbox"/> Graphically presents relationships between significant values and clearly explains their significance		
<input type="checkbox"/> References hand calculations shown in appendices to verify Matlab code		
Demonstrates ability to present evidence of progress toward a design solution	15	
<input type="checkbox"/> Provides timeline in the form of a Gantt chart		
<input type="checkbox"/> Presents requested results effectively, including use of figures and tables as needed		
<input type="checkbox"/> Offers an informative and realistic overall assessment		
Demonstrates ability to follow document specifications and meet requirements	15	
<input type="checkbox"/> Organizes content according to specified sections and follows appropriate conventions for each		
<input type="checkbox"/> Follows document format instructions (memo format; labeling of and references to figures, tables, and appendices, etc.)		
<input type="checkbox"/> Proofreads and corrects errors (spelling, grammar, punctuation)		
Team Subtotal	90	
Documents individual contributions to the project	10	
<input type="checkbox"/> Describes specific tasks performed and refers to the section of the report describing the results		<i>Individual grade</i>
<input type="checkbox"/> Indicates how results were communicated to or used by the team; relates individual contributions to other team members' work and to the overall project goal		
Team Subtotal + Individual Grade (40% of progress report grade)	100	