

**COSC/ECE 402 - Engineering Design  
Capstone Design Project Guidance**

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**A. COSC/ECE 402 – Detailed Design Presentation Rubric**

Student: \_\_\_\_\_

Reviewer: \_\_\_\_\_

Topic	Not Meets Expectations	Meets Expectations	Exceeds Expectations	Possible	Awarded
Problem Definition & Background	Not included or revisions ignored	Further revision or update necessary	Appropriately revised and updated	5	
Requirements Specification	Not included or revisions ignored	Further revision or update necessary	Appropriately revised and updated	5	
Technical Approach	Not included	Incl. but project overview and decomposition are insufficient	Good birds-eye view of approach and sufficient decomposition	5	
Design Decision Overview	Not included	Incl. but too much time spent rehashing the last presentation	Concise reminder of the design decisions made and why	5	
Product Architecture	Not included	Unclear	Clearly and concisely explained; inputs, outputs and module interactions detailed	10	
Configuration Design	Not included or significantly incomplete	Components/functions listed, but specifics undetermined or unclear	All components and details specified; consideration of best practices	20	
Analysis and Calcs to Support Design/Selection	Not included or significantly incomplete	Analysis incomplete or not well correlated to design choices	Clear justification for design choices and sound supporting analysis	10	
Prototype Test Plan	Not included or significantly incomplete	All or most necessary info. presented but unprepared to test immediately	Detailed testing plan; prepared to begin prototype evaluation immediately	10	
Plans for Completion Project Management	Missing milestones or unrealistic expectations	Optimistic expectations; likely will require significant extra time	Key milestones clearly identified; timely completion expected	5	
Budget	Missing or incomplete	Insufficient revision/level of detail for conclusive projection	Detailed and complete with revised cost estimates	5	
Communication clarity and visual presentation	Unpracticed, unorganized, and unengaging; not focused on audience	Evidence of preparation but some rambling or tangents; slides adequate	Obvious preparation; professional speech; slides visually stimulating	10	
Complete within time allotted	< 1.5 min * # members or > 4.5 min * # members	< 2.5 min * # members or > 3.5 min * # members	~3 min * # members	10	

**Comments:**

**Total Score (out of 100)** \_\_\_\_\_