

Rigorous Exam Checklist and Item Analysis (revised 12/2014)
 Post-exam you can use the last column to do an item analysis.

Question/ Item Number	Standard/Skill (Engineering)	DOK Level 1- 4	Scoring Criteria/ Possible Points	Item Analysis
1-16 (matching, short answer)	ENG.01.01 ENG.01.02 ENG.01.03 ENG.01.04	1 1 1 1	4 4 4 4	≥ 50 % of students missed #'s 3, 12, & 15
17 (ethics)	ENG.01.05	2	10	60% scored 9-10 23% scored 8-7 7% scored 6 10% scored ≤ 5
18 (analyze & research)	ENG.02.06	3	10 (see rubric) SWR-W1b, 8, 9	students struggled integrating counterclaims from text ≤ 60% scored 8 or better
19 (skill)	ENG.02.08 ENG.05.01 (build a prototype from plans)	1 2	5 10	5 students struggled with interpreting diagrams 2 students struggled with choosing appropriate tools
20 (performance task)	ENG.02.12 ENG.02.10	1 3	6 18	42% of students omitted one step of the process need to review criteria for redesign and planning next steps
21 (testing & selecting materials)	ENG.04.02 ENG.04.04 ENG.04.06	2 2 3	5 10 5	95% ≥ 4 35% inappropriate method 45% could not provide specific function other than example(s) from class
22 (project)	ENG.02.01 ENG.02.02 ENG.02.03 ENG.05.02 ENG.05.03 ENG.05.04	3 2 2 2 2 2	Project Rubric (50) " " SWR WR S	32% 45-50 27% 44-40 21% 39-35 16% 34-30 4% ≤ 29 5 students did not pass all students passed