

Grading Rubrics

Writing Assignment 1 (40 points):

- References (10 points)
 - Including references (2 points)
 - Referencing in appropriate places (4 points)
 - Archival references (4 points)
- Connection to student's career (10 points)
 - Career goals are mentioned (5 points)
 - Details of a career path that is connected to E&M are described (5 points)
- Good E&M applications (10 points)
 - Identify a specific E&M applications (2 points)
 - Describe the science and what has been done (4 points)
 - Describe open issues; what should be done (4 points)
- Writing style (10 points)
 - Good organization (2 points)
 - Good grammar; good spelling (4 points)
 - Good English (no slang; words have correct meaning; 4 points)
 - Good style (it is fun to read; 2 points)

Project/Writing Assignment 2: (100 points)

- Technical Elements (60 points)
 - Construction of the motor-generator set (30 points) [20 points if you build your own and it works]
 - Discussion of the motor-generator history (5 points) and how it is important to society (5 points).
 - An accurate discussion of how the motor-generator works with appropriate figures (20 points)
- Other Elements (20 points)
 - Clarity of presentation (10 points). This includes good organization and use of figures.
 - Good research and references (10 points). The references should be cited in-line. Archival references are better than non-archival references. There should be several references that indicate that real research was done.
- Other Project Evaluations (20 points)
 - Completeness of the evaluation (10 points). Did you note the rubric features in the work of others?
 - Accuracy of the evaluation (10 points). Is your evaluation of these features accurate?

Problem Set Problems; Math/Physics Quiz Problems (1 point each):

- Make an effort (0.25 points)
- Fair effort with significant errors (0.5 points)
- Good effort with some errors (0.75)
- Correct (1.0)

Mid-Term Questions; Review Quiz Questions (10 points each):

- Some effort (1–2 points)
- Fair effort with significant errors (3–5 points)
- Good effort with some errors (6–8 points)

- Essentially correct with a very minor error (9 points)
- Correct (10 points)

Final Exam Questions (10 or 15 points each; total score of 100):

- 10 point questions (same as mid-term questions)
- 15 point questions:
 - Some effort (1–3 points)
 - Fair effort with significant errors (4–8 points)
 - Good effort with some errors (9–12 points)
 - Essentially correct with a very minor error (13 or 14 points)
 - Correct (15 points)