

Chemical Engineering 4905 Proposal Grading Rubric

Team Members _____

Project _____

Section 1 EXECUTIVE SUMMARY (0 – 10 points)

Does the executive summary concisely state the goals of the proposed project, as well as the potential benefits of the proposed project? _____/10

Sections 3.1-3.2 TECHNICAL BACKGROUND (0 – 40 points)

Do these sections give enough technical background so that a non-expert reader will be able to understand the engineering problem that the proposal addresses, and why the problem is worth solving? _____/15

Do these sections adequately review the literature to find all approaches that have been tried in the past to solve the problem addressed by the proposal? _____/10

Do these sections show using simple theoretical models why the approach proposed to solve the problem is likely to be better than alternate approaches? If not, do these sections show using preliminary experimental data taken in the lab or in published engineering papers why the approach proposed to solve the problem is likely to be better than alternate approaches? _____/15

Section 4.1 OBJECTIVES (0 – 5 points)

Are quantitative goals listed in this section that the proposal project, if approved, must achieve in order to be considered successful? Have these quantitative goals been shown to be feasible in the Technical Background section? _____/5

Section 4.2 STATEMENT OF WORK (0 – 10 points)

Does this section give a clearly written plan of work, step by step, that shows how each of the proposal objectives will be achieved? Does the plan of work contain sufficient detail so that the proposal reviewer will be convinced that the plan is sound and feasible? Have contingency plans been given that will be used should any roadblocks be encountered while performing the work plan? _____/10

Section 5.2 EQUIPMENT AND FACILITIES (0 – 5 points)

Has all the equipment and materials needed to perform the project been identified? For equipment and materials that are not currently available in MEB 3520C, has a price quote for purchase been obtained? _____/5

Faculty Supervisor: _____ Semester _____

Section 6 ANTICIPATED BENEFITS (0 – 10 points)

Are the potential benefits of the proposed project persuasively presented in this section, without exaggeration or false claims? _____/10

Section 7 ANTICIPATED SAFETY/ENVIRONMENTAL IMPACT (0 – 5 points)

Have all possible safety and environmental hazards associated with the project been identified in this section? _____/5

OVERALL REPORT PROFESSIONAL APPEARANCE (0 – 15 points)

Does the report have the correct format, correct spelling and grammar, proper format of tables, figures, equations, references, etc.? _____/15

BONUSES (0 – 10 points)

Excellence in _____ _____/10

PENALTIES

Late _____

FINAL PROPOSAL SCORE (0 – 100 points)
