BIOE 5011—Spring 2023

Presentation Grading Rubric

Group:

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| **Oral Presentation** | **Score** | **Max** |
| **Conveyance of Primary Problem and Modeling Solution**   * Presented summary early in the presentation * Discussed overview of model and each unit in the solution * Identified the outputs of the model and presented results in a clear and graphical manner. * Summarized implications of project and finished with a planned conclusion.   Comments: |  | 30 |
| **Delivery**   * Did not use notes * Presentation appears well prepared and rehearsed * Style was professional and clear * Good eye contact, Strong stance   Comments: |  | 30 |
| **Visuals**   * Informative slide titles * Appropriate number of words and items on slides (very few words) * Used font sizes/images that could be seen easily * Background did not interfere with diagrams or text * High quality figures, tables, diagrams * Colors were easy to view   Comments: |  | 30 |
| * **Stayed within time limits (7 minutes for presentation)**.   Comments: |  | 10 |
| **TOTAL** |  | 100 |

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| **Written Report** | **Score** | **Max** |
| **Body**   * Introduced the background and motivated the model. * Clearly identified units in the lung with reasons * Identified the primary engineering concept in each unit. * Identified the major chemical components. * Identified strengths and weaknesses   Comments: |  | 20 | |
| **Model**   * Appropriately modeled each unit of the lung * Determined the rate at which the identified major chemical constituents flow between different modeled units * Determined the concentration of key components in each of the units and the streams connecting the units. * Original model based on engineering analysis. Did not just copy published models   Comments: |  | 20 | |
| **Figure usage**   * Selected appropriate figures to summarize or highlight model design and key results (concentrations, flow rates, etc.) * Figures are labeled (including units), captioned, legible, and clear.   Comments: |  | 10 | |
| **References**   * Consults a variety of high-quality (peer-reviewed) sources * Adequately references material in the report in a consistent manner.   Comments: |  | 10 | |
| **Quality of Writing and Report Structure**   * Organizes and structures paper logically. * Demonstrates professional command of basic writing mechanics (grammar, syntax, word choice, etc.) * Follows all formatting instructions and includes all required sections   Comments: |  | 20 | |
| **WRITTEN REPORT GRADE** |  | 100 | |
| **PRESENTATION GRADE** |  | 100 | |
| **AVERAGE (TOTAL) GRADE** |  | **100** | |