**CE 2110 Applied Mechanics I: Statics**

**IAD Project Rubric**

**Letter of Intent**

The letter of intent link is available in HuskyCT’s ‘IAD project’ folder. You can simply click ‘true’ by the deadline if you intend to choose the final project. No other document is required. Timely completion of this link is important to secure your spot to work on the final project.

**Proposal Grading Rubric (9 pts)**

Each problem will be graded as 1 point.

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| --- | --- | --- |
| **Category** | **Not satisfactory (0 pt)** | **Satisfactory (1 pt)** |
| Problems 1- 8 | The problem is either   * Not developed * Or developed but missing a photo or graphic of the real structure * Or copied from textbook problem * Or copied from an existing problem | The NEW detailed problem statement with relevant numbers is developed with a photo or graphic of the real structure |
| Problem 9 | No plan listed | A plan to create the problem listed |

**Preliminary Report Rubric (36 pts)**

Each problem will be graded separately, and each one is 4 points worth.

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| --- | --- | --- | --- | --- |
| **Points** | **Not met (0 pt)** |  |  | **Excellent (2 pts)** |
| Originality/Learning Objective (2 pts) | Used a textbook problem or other students’ problem or not from the correct section |  |  | A novel original problem is created from the accurate section |
|  | **Not met (0 pt)** | **Incomplete (1 pt)** | **Something missing**  **(1.5 pts)** | **Great (2 pts)** |
| Completeness (2 pts) | Late submission  OR  The problem is not created; | The problem is created but not solved. | The problem is created but the quality of scanning or handwriting is poor and cannot be read the problem-solving. | All problems are created and solved with the detailed problem-solving procedure shown.  Handwriting is legible and clearly understood. |

Note: Correctness of your problem-solving will NOT be checked. The originality will be thoroughly checked by multiple database engines.

**Final Report (55 pts)**

Each problem will be graded separately, and each one is 6 points worth. The remaining 1 point is a bonus.

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| --- | --- | --- | --- | --- | --- |
| **Points** | | **Poor (0 pts)** | **Fair (1 pt)** | **Good (2 pts)** | **Excellent (3 pts)** |
| Correctness (3 pts) | | The wrong problem-solving procedure is used or problem-solving is incomplete. | The problem-solving procedure has major flaws. | The problem-solving procedure is correct, however, the final answer is incorrect due to calculation errors. | The problem-solving procedure is completely detailed with the correct answer drawn. |
|  | | **Unprofessional (0 pts)** | **Good (1 pt)** | **Great (2 pts)** | **Excellent (3 pts)** |
| Professionalism  (3 pts)  \* Submit either a written report or an oral report. **No need to submit both.** | If written report | The problem statements and solutions are hand-written. The quality of scanning or handwriting is poor and cannot read the problem-solving. | Problem statements and solutions are hand-written clearly. | Problem statements are typed with computer-drawn figures, and solutions are handwritten with inconsistent size and format | Problem statements are typed with computer-drawn figures, and solutions are typed or neatly handwritten with a consistent size. |
| If  oral report | The problem-solving procedure is missing 5-6 steps or is incomplete.  Only the problem-solving screen is recorded.  The accompanying handout has not been submitted. | The problem-solving procedure is explained by missing 1-3 steps.  Only the problem-solving screen is recorded.  The accompanying handout has not been submitted. | The problem-solving procedure is explained by missing 1-3 steps.  Only the problem-solving screen is recorded.  The accompanying handout is submitted. | The problem-solving procedure is clearly explained in the detailed procedure.  Both face and problem-solving screens are recorded.  The accompanying handout is submitted. |

\*Hand-drawn figure means ‘hand-drawn’ on paper or on a tablet PC (iPad, tablet PC, and so on).