EIND 355 - Engineering Statistics Lab: Course Project

Project Overview – Your task is to design and implement a statistical analysis for a real world problem that you will select. As noted in the course syllabus, 15% of your course grade will be based on the project. At the end of the semester, you are required to present your project in class and submit a formal project repost.

Project Grading – The overall grade on the project will be composed of the following:

- 10% Project Proposal – Due 10/18 (teams of 2 or 3) at 12:00 to wschell@ie.montana.edu
- 10% Analysis Plan – Due 11/1
- **30% Group Presentation – Delivered 11/29**
- 10% Team Evaluation - Due 12/2 at 1:10
- 40% Group Paper – Due 12/2 at 1:10

Project Proposal

- One page summary
- Must clearly identify the problem or opportunity that is being solved.
- State where and how the group will get the data and some expected results.
- State a list of tasks that will be undertaken to complete the project.
- Identify the roles (with timelines) that each member of the group will hold.

Expectations for Paper

- Follows I&ME guidelines for formatting, figures, tables etc. – [http://www.coe.montana.edu/StudentWritingAid/home.html](http://www.coe.montana.edu/StudentWritingAid/home.html)
- Includes a Management Summary that is less than one page in length
- Includes the printed presentation slides as an Appendix
- Includes a logical flow (e.g. introduction, problem statement, data collection, analysis, conclusions and recommendations)
- Is free of typographical errors and uses appropriate grammar.

Expectations for Presentation

- Appropriately covers the work completed by the team, including major steps, challenges, and recommendations.
- Completed within the required time frame (approximately 20 minutes)
- All members of the team participate in the presentation.
- Makes appropriate use of projected slides and other visuals.
- Is presented in a clear and professional manner.

Expectations for the Analysis Plan

- Provides details on the steps planned to turn the data collected into an answer to the problem being solved by the project.
- Identifies specific analysis tools that will be utilized along the way.
- Identifies any potential shortcomings in the data collection plan that need to be addressed in order to ensure a successful project.
- A sample analysis plan will be provided with the returned project proposals.