MGMT 651
Production and Procurement in the Aviation/Aerospace Industry

Group Project Overview

In this collaborative group work course project, small teams of students will produce a case study comprised of various learning and tools throughout this course. The goal of the case study is for students, in collaboration, to demonstrate knowledge of computer applications in the acquisition and presentation of data.

Teams of four (4) students will be assigned by the instructor (depending on the total number of students, there may be the need for either one group of three or one group of five to ensure all class members are assigned to a group). This will happen by the end of Module 1. Visit the Project Groups area, accessible via the course menu, at the beginning of Module 2 to locate your team and explore the Groups area tools. Remember, for group work to be successful, it is important that all group members participate equally according to their group roles and complete all responsibilities fully and on time. Communication and collaboration must be open, honest, respectful, and contribute productively to the objectives and outcomes of the group's mission.

Team members discuss and agree upon a "setting" for the case study. This is, ideally, a current workplace of the one of the members. Then teams can actually receive and discuss substantive information and apply learning. The report will be composed of the following sections. The items fulfill the minimum requirements. Groups may add more items at their discretion.

Section 1
- Discuss the setting of the current situation.
- Create a strategy map.
- Provide a work breakdown structure for that organization.
- Discuss how productivity will be measured for this study.
- Discuss how productivity will be tracked for this study.

Section 2
- Provide an original SIPOC chart.
- Discuss what improvements could be made, and how you came to this decision.
- Provide a House of Quality OR Needs Analysis OR FMEA.

Section 3
- Discuss what change WILL be made for this project.
- Provide an improved SIPOC chart, if the changes are implemented.
- Provide diagrams showing any changes in facility layout (IF applicable).

Section 4
- Discuss how changes will be controlled.

- Discuss the organization impact in detail (cost savings, cost avoidance, reduced time, reduced future headcount, etc).
- Discuss how this could be tracked over a number of years to see the actual impact.

Written report guidelines for this project are:

- A written report of not less than 5,000 words (approximately ***twenty pages***).
- Use the style set forth in the *Embry-Riddle Aeronautical University GRP Guide* (current edition); in addition, apply APA style rules; use the current edition of the APA publication manual for guidelines.
- Observe written assignment formatting requirements: Times New Roman font, 12-pt font size, double-spaced text, with numbered pages.
- The paper must be grammatically sound and free of spelling errors. See the *Resources* area in the course for helpful writing skills websites.
- Save the document as one of the following acceptable file types: .doc, .docx, or .rtf.
- Provide a cover page containing the name of course, title of paper, name of authors, and date.
- Use scholarly resources, such as those available online via the Hunt Library database collection. Cite all sources. Include a references page, formatted to APA style requirements.
- Do not count the cover page or the references page as part of the minimum total page requirement described above.

The project is designed to be completed over the duration of the course, beginning in Module 2. Specific activities and graded milestone deliverables have been set up to help each team progress productively through the project. Evaluation rubrics are provided with each graded task with details on grading criteria.

The final project report will be shared with other teams during Module 8 and each student will review other teams' reports and provide feedback.

Activity Requirements

A summary of deliverable requirements for the project is provided below. Remember, it is critical you complete tasks by the stated deadlines in order for the group work to be successful! This project is worth a total of 90 points and is composed of three graded deliverables that must be completed in order according to the scheduled deadlines:

Group Project Graded Activities				
Activity	**Title**	**Requirements**	**Due Date**	**Points**
3.1	Status Report Collaboration and Submission	2-4 pages	Week 3, Day 7	10
4.5	Project Rough Draft #1 Submission	> 8 pages	Week 4, Day 7	10
7.2	Final Draft Submission	~ 20 pages	Week 8, Day 3	60

8.1	Project Final Submission		Week 8, Day 7	
8.2	Reviews	~ 1 page response to each group by each student	Week 8, Day 7	10
			Subtotal	**90**

Required, Non-Graded Group Project Activities

The group project also requires the completion of six non-graded activities:

Group Project Non-Graded, Required Activities			
Activity	**Title**	**Requirements**	**Due Date**
2.2	Introductory Team Discussion	Substantial discussion participation	Week 2, Day 7
4.4	Production System Improvements Discussion	Substantial discussion participation	Week 4, Day 7
6.3	Inventory, Forecasting, and More Discussion	Substantial discussion participation	Week 6, Day 7
6.3	Project Rough Draft #2 Submission	> 15 pages with a summary of revisions/progress	Week 6, Day 7
7.2	Final Draft Editing	~ 20 pages with summary of edits	Week 7, Day 7
8.1	Posting of Final Report to Course Discussion Board for Reviews	Posting of report	Week 8, Day 3

Questions for the Instructor Support Forum

Should you or your team members have any questions regarding the group project or would just like some general feedback, please post to the discussion forum provided on the Course Discussion Board (as opposed to the Group Discussion Board). This is OPTIONAL.