



Spring 2004

Systems Problem 2: Part I **Team Work Exercise**

Handed out:	Thursday, February 12, 2004
Answers due:	Thursday, February 19, 2004, 5:00 p.m.

Learning Objectives

In this systems problem you will learn how to work together as a team by defining your team mission and vision statement, defining roles and responsibilities of individual team members, setting a team agenda and management plan. Also you will start to discuss your team's strategy for winning the aerial design competition.

Learning Objective from the CDIO Curriculum:

- 3.1.1 Forming Effective Teams
- 3.1.2 Team Operation
- 3.1.4 Leadership
- 3.1.5 Technical Teaming

By the end of Systems Problem 2 you will be able to:

- Formulate a team mission and vision statement
- Define Roles and responsibilities for individual team members
- Come up with a team management plan
- Record and distribute minutes of meeting
- Set forth and follow a meeting agenda
- Generate a list of action items for the next meeting

This is a team assignment

Motivation

The individual engineer churning out solutions to complex equations alone in a cubicle has become a thing of the past. Increasingly, engineers and scientists are called upon to work on teams to rapidly and effectively accomplish major tasks for their organization. Becoming an effective member of this new work force requires technical proficiency, and successful collaboration. Engineers possessing excellent technical skills as well as leadership and management experience are an asset to any industry or institution fortunate enough to acquire their services.

In Unified Engineering 16.030-040 you will work in teams for the duration of the Spring semester. Your goal is to win the aerial design competition, by redesigning modified Dragonfly remotely controlled model airplanes. The path to success consists not only of good technical analysis, effective manufacturing and skillful piloting. Experience from past years shows that those teams are usually most successful who can work together well, that subdivide and integrate tasks between team members effectively and that keep open channels of communication.

Assignment

Pick up a team assignment sheet before the first lecture. There will be no changes to the assigned team structure. Informally meet with your teammates after lecture and agree on your first meeting time and location.

The following deliverables are due on Thursday February 19, 2004:

- 1.1 Formulate a Team Mission and Vision Statement
- 1.2 Create Team Management Plan, including Roles & Responsibilities, Ground Rules, and Communication Plan
- 1.3 Minutes of Meeting #1
- 1.4 Agenda for Meeting #2
- 1.5 List of Action Items
- 1.6 Completion of Team Process Exercise Survey 2 if requested

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Group Number:	
Name	Time Spent