Title: Mechanical Testing System Coupled with an Environmental Chamber for Hydrogels

Names:
Team: Gabriel Martinez-Diaz, Darcee Nelson, Charlie Haggart, Mike Piche
Client: Prof. Weiyuan John Kao
Advisor: Paul Thompson

Date: 2/5/03 – 3/11/03

Problem Statement: To design and build an environmental chamber to be used with a mechanical testing system in order to measure tensile properties, and to be used for measuring creep properties of hydrogels.

Restatement of Team Goals:

1. Continue work in the ME shop, to attach pulley apparatus and grips (if time).
2. Prepare/practice midsemester presentation.
3. Finish grant proposal for hand-in.

Summary of Accomplishments:

1. Midsemester presentation

Statement of Team Goals:

1. Friday meeting to discuss remainder of the semester after spring break.
2. Discuss data acquisition.

Project Schedule: Last updated (2/4/03)

Difficulties: none

Activities:

Team: Team meeting edit presentation, 1.5 hr

Gabriel: BME presentations, 1 hr
Presentation rehearsal, 1.5 hr
Notebook, miscellaneous, emails, 3 hrs

This week: 7 hr
Total: 41 hr

Darcee: BME presentations, 1 hr
Presentation rehearsal, 1.5 hr
Emails, notebook, wrote progress report, 2 hr

This week: 6 hr
Total: 38 hr

Charlie:
This week: 1.5 hr
Total: 35.5 hr

Mike: BME presentations, 2 hr
Presentation rehearsal, 1.5 hr
Updated website, 1 hr

This week: 6 hr
Total: 49.0 hr