Course Syllabus -- Spring

The second semester of the Interdisciplinary Product Development course the student teams work to develop a solution to the problem they identified at the end of the first semester. The culmination of spring semester is a look-alike form model together with a functional prototype at a level of detail appropriate to its complexity.

Meetings:
Thursdays 2:00-4:30
311 BSB (and occasionally in the Studio: AAB 3450)
Spring semester there is one all-day visit at Whirlpool, on April 24.

Faculty:
Prof. Stephen Melamed      Prof. Albert L. Page       Prof. Michael J. Scott
Art and Design       Marketing       Mechanical & Industrial Engineering
Office        2220 UH       3057 ERF
312-670-6880       6-6233       6-4354
smelamed@tresdesign.com alp3@uic.edu mjscott@uic.edu

Course web site:
http://www.uic.edu/classes/me/me494msb

Grading policies:
There are no tests. Grades will be assigned to individuals based on faculty assessment of performance on the group project and on student evaluations of team member performance. Please see the handout on grading from fall semester.

Topics, week by week:

1. Jan. 16
   Introduction to spring semester.
   Topics:
   - overview of spring semester
   - creativity and ideation
   - visit from the creativity consultant
   Assignment 7: mid-term presentations. (Due Feb.20)

2. Jan. 23
   Visit by Whirlpool innovation consultants.
   Topics:
   - lens-smashing
   - migration paths

3. Jan. 30
   Initial filtering, concept test descriptions.
   Topics:
   - what to do with 100 ideas
   - concept cards

4. Feb. 6
   Concept testing.
5. Feb. 13
   Benchmarks and competitive solutions.

6. Feb. 20
   Whirlpool visit at UIC (1043 ERF).
   Assignment 7 due.
   Formal presentations to report on ideation and selection.

7. Feb. 27
   Product specifications.
   Assignment 8: product specification. (Due Mar. 6)

8. Mar. 6
   Engineering specifications.
   Topics:
   - cascading product specs to engineering specs
   - mechanical design process
   - prototyping
   Assignment 8 due.

9. Mar. 13
   TBD.
   (Spring Break – Mar. 17-21)

10. Mar. 27
    Marking plans.
    Assignment 9: end-of-semester presentation (Due Apr. 24)

11. Apr. 3
    Design reviews.
    Each team meets with the faculty.

12. Apr. 10
    TBD.

13. Apr. 17
    Final design reviews.

14. Apr. 24
    End-of-year presentations at Whirlpool.
    Form and functional prototypes.

15. May 1
    TBD.