

Michigan Technological University
2008 Pace Competition
ENG 1102 Teams

The **Pace Design Competition** will judge five critical areas of your design project:

1. Form --- Design Concept, Creativity, Perceived Value, Safety
2. Fit --- Physical Model (realism, aesthetics, detail, supporting design)
3. Function --- Design Parameters and Performance (math models, simulations, spreadsheets, etc.)
4. Presentation --- Effective, Professional, Credible
5. Teamwork and Collaboration

Final judging will focus on the UG model and design parameters; i.e., a Matlab simulation is not required for this competition. Some form of "functional modeling" (spreadsheet, simulation, calculation, etc.) will be very helpful in presenting a convincing case for how your design will perform.

Eight teams will attend the final **Pace Competition**. To determine the eight finalists, interested teams will submit four to six UGNX screen printouts of their design to their ENG 1102 instructor (by Thursday of week 10). Teams will choose what views they want to show ... some suggestions are:

- overall isometric views
- internal view or possibly transparent views
- drawing showing the overall dimensions
- zoomed-in view showing interesting detail
- other supporting concept drawings (config dwgs, roadway, process, etc).

The five ENG1102 faculty will then meet to first select the 16 semi-finalist teams. They will do further review and evaluation to reduce the submissions down to the eight finalist teams.

The Day of Competition

The format for the Pace Competition is similar to your class presentation. You will be assigned to one of two time periods (four teams each). Teams will take turns presenting their project concepts to the PACE judges. You will have eight minutes for your presentation plus four minutes question and answer. Right now the judging criteria are:

- Model appearance --- realism, aesthetics, detail
- Design Creativity
- Perceived Value (could someone actually use the concept)
- Credibility (how will your design function, basis for product claims, confidence in presentation, etc.)

Each team member competing in the Pace Competition will need to sign an agreement allowing Pace Partners to use their design and presentation materials.

Agenda for Pace Competition --- April 10, 2008

NOTE: Team presentations are split into two sessions. Teams need to stay for the full session that they present in. There may be enough room for those who want to stay for the other session but, obviously, the presenting teams have priority.

Teams should bring a jump drive with their Powerpoint presentation, UGNX models and any other files that they think they may need for presentation and answering questions.

12:00 - Lunch for Pace Judges and faculty at Memorial Union

1:30 – Setup for first group of teams (M&M 724)

2:00 – 2:12 Team KEAH (from Fall 07)

2:15 – 2:27 Team 10, Section 1

2:30 – 2:42 Team 10, Section 4

2:45 – 2:57 Team 6, Section 9

3:00 – Setup for second group of teams (M&M 724)

3:30 – 3:42 Team 11, Section 7

3:45 – 3:57 Team 16, Section 5

4:00 – 4:12 Team 8, Section 2

4:20 – 4:45 Judges Conference

4:45 Awards and Photos

5:00 Pizza in M&M 718 --- for all teams, faculty and judges.