

**ME 1029 MECHANICAL DESIGN 2**  
**Summer 2005, Tuesdays from 4 – 6:30 pm (720 BEH)**

<http://www.pitt.edu/~hshst7/ME1029.htm>

**Instructors:**

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**Textbook:**

*Mechanical Design—An Integrated Approach*, 1st edition, by Ansel C. Ugural, McGraw-Hill

**Homework:**

Homework is due at the start of class and no late homework will be accepted.

**Team Project:**

Students will work in teams to complete a design project. The output will include a presentation, and a written report describing the results of the project. Further details will be provided.

**Attendance Policy:** Attendance of classes is mandatory. If a student has a valid excuse for missing a class, they must inform instructors beforehand.

**Prerequisites:**

ME1028 & ME0024

**Exams:**

The final examination will be on Tuesday, August 02, from 4 – 6:30 pm at R720 BEH

**Content:**

Failure Criteria, Fatigue, Shaft, Bearing and Lubrication, Spur Gears, Belts, Chains and Clutches, Power Screws and Fasteners, and Finite Element Analysis.

**Grading:**

Semester grades will be computed as follows:

Homework completion	20%
Design projects	30%
Final	50%
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Total	100%