

Design Contest
ME72 Engineering Design Laboratory
Fall & Winter Terms, 2006-07
Textbooks

Professor: Erik Antonsson

Strongly Recommended Textbooks:

- SHIGLEY, JOSEPH E., AND CHARLES R. MISCHKE,
Mechanical Engineering Design,
5th edition, McGraw-Hill, 1989,
ISBN: 0-07-056899-5 (hardcover), 779 pages. (\$105.00)
- MAGRAB, EDWARD B.,
Integrated Product and Process Design and Development: The Product Realization Process,
CRC Press, 1997,
ISBN: 0-8493-8483-4 (hardcover), 450 pages. (\$79.95)

Recommended Textbooks:

- DIETER, GEORGE E.,
Engineering Design: A Materials and Processing Approach,
Third Edition. McGraw-Hill 2000,
ISBN: 0-07-366136-8 (hardcover), 798 pages. (\$110.80)
- PAHL, GERHARD, AND WOLFGANG BEITZ,
Engineering Design: A Systematic Approach,
Second Edition. Springer-Verlag, 1996,
ISBN: 3-540-19917-9 (paperback), 544 pages. (\$52.00)
- OTTO, KEVIN AND KRISTIN WOOD,
Product Design: Techniques in Reverse Engineering and New Product Development,
Prentice-Hall 2001,
ISBN: 0-13-021271-7 (hardcover), 800 pages. (\$110.00)
- ULRICH, KARL T., AND STEVEN D. EPPINGER,
Product Design and Development,
Second Edition. McGraw-Hill, 2000,
ISBN: 0-07-229647-X (hardcover), 358 pages. (\$102.25)
- MCKIM, ROBERT H.,
Thinking Visually: A Strategy Manual for Problem Solving,
Dale Seymour Publications, 1997,
ISBN: 0-866514236 (paperback), 224 pages. (\$15.05)
- ASHBY, MICHAEL F.,
Materials Selection in Mechanical Design,
Butterworth-Heinemann, 1999,
ISBN: 0-7506-4357-9 (paperback), 493 pages. (\$55.00)
- AVALLONE, EUGENE A., AND THEODORE BAUMEISTER, III, EDITORS,
Marks' Standard Handbook for Mechanical Engineers,
Tenth Edition. McGraw-Hill, 1996,
ISBN: 0-07-004997-1 (hardcover), 1,792 pages. (\$150.00)