EGR100 Introduction to Engineering Design

Fall 2007

Instructional Team:

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Lecture: Tuesdays, 9:10-10:00am, 116 FAE
Lab Section 1: Tuesdays, 10:20am-12:10pm, 1237 EB
Lab Section 2: Thursdays, 12:40pm-2:30pm, 1237 EB
Class Web Site: www.angel.msu.edu

Homework: Usually assigned in lecture and/or lab and due the following session. No late work will be accepted without prior approval. Re-grades must be requested within 1 week of return of homework, project or exam.

Teaching Assistants: See course web site for TA names, offices, emails and hours.

Text: No text is required. However, the following will be used for reference:
Kosky, Wise, Balmer & Keat, *Exploring Engineering*, Academic Press, 2006
P. Wright, *Introduction to Engineering*, Wiley, Third Edition, 2002.
P. Schiavone, *Engineering Success*, Pearson Prentice Hall, Third Edition, 2007.

Course Description: The engineering design process, as modeled by team-based, interdisciplinary design projects. The roles of engineers and the contributions of engineering in society. Project management, design of products and processes to specified outcomes under specified constraints. Introduction to computing tools and physical equipment in support of engineering design. Engineering ethics.

Due dates:		
Homework/Quizzes	35%	As Assigned
Lab Project 1	10%	Week of September 10
Lab Project 2	15%	Week of October 8
Lecture Exam	10%	Tuesday, October 16
Lab Project 3	20%	Week of December 3
Final Exam	10%	Friday, December 14, 7:45am

Grading: ≥90.0% = 4.0, 85.0-89.9% = 3.5, 80.0-84.9% = 3.0, 75.0-79.9% = 2.5, 70.0-74.9% = 2.0, 65.0-69.9% = 1.5, 60.0-64.9% = 1.0, <60.0% = 0.00