Course Outline and Grading Policy

Course: ME 256A STATICS

Semester: Spring, 2005

Catalog Data: Forces and moments acting upon structural bodies under static loads. Concept of vectors, free-body diagrams, shear and moment diagrams, centroids, moments of inertia and friction.

Course Objectives:
1. To teach students the basic principles underlying static equilibrium of bodies.
2. To teach students the basic principles underlying centroids and area moments of inertia.
3. To teach students the basic principles underlying shear and moment diagrams.
4. To train students to identify, formulate and solve engineering problems in statics

Lecture Hours: Monday, Wednesday and Friday: 11:00 - 11:50 AM

Class Room: Rm: D 115, CEAS, Parkview Campus


Prerequisite: MATH 123, CS 106.

Instructor: Dr. Bade Shrestha, Associate Professor, P. Eng.
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Office Hours: Mondays – Thursdays: 1:30 – 2:30 PM and by appointments.

Topics to be covered
1. Introduction
2. Vector components of forces, moments and couples
3. Equilibrium equations and free body diagrams
4. Centroids
5. Area moments of inertia
6. Shear and moment diagrams
7. Friction

GRADING:

The final grade will be based on the following criteria:

Homework Assignments ................................................................. 10%
Four (4) Tests (date for the tests will be announced during the class hours) ............ 60%
Final Exam, on Thursday, April 21, 2005: 10:15 – 12:15 PM ............ 30%
The final examination will be a written comprehensive exam and may cover any aspect of the course.

Grading Scale

A: Above 90.0 %
B+: 85.0 -89.9 %
B: 80.0 - 84.9 %
C+: 75.0 - 79.9 %
C: 70.0 - 74.9 %
D+: 65.0 - 69.9 %
D: 50.0 - 64.9 %
E: Below 50.0 %

General Class Policy:

1. Make-up test will not be provided and the missed test will be graded as “ZERO”. If a student misses a test for a medical reason, the student must provide a doctor’s statement. In that case, the missed test will be transferred and credited toward the Final Examination. Every student must take the Final Examination and no make-up exam will be provided.

2. Home work assignments are due at the beginning of the class on the due date and no credit will be given for late submission.

Important Notice: You are responsible for making yourself aware of and understanding the policies and procedures in the Undergraduate (pp. 274-276 and pp. 26-28 for Graduate) Catalog that pertain to Academic Integrity. These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity and computer misuse. If there is reason to believe you have been involved in academic dishonesty, you will be referred to the Office of Student Judicial Affairs. You will be given the opportunity to review the charge(s). If you believe you are not responsible, you will have the opportunity for a hearing. You should consult with me if you are uncertain about an issue of academic honesty prior to the submission of an assignment or test.