CIVE 367: Structural Analysis (SP 14)
MWF 1:00-1:50 PM, ENG B101 (Jan 21-May 11)

Instructor:
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Office hour: MF 2:00-3:00 PM, W11:00-12:00PM @ A205H Engineering Blvd.

Textbook:

Course prerequisite
CE 260

Objective:
This class is to assist students to develop the basic understanding and techniques for structural analyses on determinant and indeterminate trusses, beams, and frames.

Assignments & homework:
Each homework will be assigned on or before Wednesday and will be due in the beginning (within 10 minutes after the class starts) of the next Wednesday class. No late homework will be accepted after the due time except for business trips, medical conditions or other critical events (acceptable by the instructor) which DIRECTLY conflict with the effort on finishing the HW on time. All these events do require written proof or other written documentation. Arrangements of late HWs should be made with the instructor as soon as possible.

Topics:
Basics
Introduction
Supports, Reactions, Equations of Condition
Loads

Determinate Structures
Planar Trusses
Beams and Frames
Influence Lines
Deflection Calculations

Indeterminate Structures
Flexibility Method
Slope-Deflection Method
Matrix Methods
Grade:

Home work             27%
Quizzes              8%
Mid-term exam               45%
Final exam (May 15th 11:50-1:50PM*). *Reference only. Check University website for accuracy before the exam                 20%

A=90-100
B=80-89
C=70-80
D=60-69
F=<60

Plus and minus grades may be used.

Makeup exam policy:

1. For people who can not attend regular exams due to university business duty, serious healthy condition or family emergency (all with written proof or statement), a makeup exam may be arranged AFTER the regular exam. All requests should be made at least 3 days before the exam except for emergencies. NO exception will be made without a legitimate reason and a timely arrangement.

2. Quizzes will be all pop-up quizzes, which may include attendance quizzes and problem-solving ones. There are NO make-ups for pop-up quizzes except the absence is a direct result of the university business or serious health issue (with doctor’s note).

Academic integrity:

The course will adhere to the Academic Integrity Policy of the Colorado State University General Catalog (Page 7) and the Student Conduct Code. University rules including academic penalty and further investigation by the university authorities will be strictly enforced in this course. You are encouraged to work with others, but you should fully understand the work you turned in and are sure any work you have turned in is your own.

Usually only the textbook and notes (including handouts) are allowed to be used to finish your homework. Exams and quizzes are closed to any book and notes. Any use of solution books or old homework/exams from previous years in the homework, quizzes or exams is strictly prohibited and will be regarded as cheating.