UNIVERSITY OF ARIZONA  
Department of Civil Engineering and Engineering Mechanics  
CE 214 - Engineering Mechanics Statics  
Spring 2014, Section 001 (52150)  

SYLLABUS & POLICY  

Course Instructor: Cac M. Dao, Ph.D.  
Email: cmd@email.arizona.edu  
Office: Civil Engineering Room 208  
Office Hours: TTh 11:00 am – 12:00 pm  
Lecture: TTh 09:30 am – 10:45 am at Haury Anthro Bldg, Room 129  

Teaching Assistant: Shiqi Zhang  
Email: szhang1@email.arizona.edu  
Office: Civil Engineering Room 116B  
Office Hours: MF 9:00 am – 10:00 am  
Recitation/Discussion Hours: (Must attend enrolled sect)  
001A: Tu (4:00–4:50 PM) @ 118 Social Sciences Bldg.  
001B: We (3:00–3:50 PM) @ 105 R P Harvill Bldg.  
001C: Th (2:00–2:50 PM) @ 219 Haury Anthro Bldg.  


Prerequisite(s): PHYS 141 and MATH 129 or equivalents.  

Catalog Description: (3 units) Equilibrium of a particle, equivalent and resultant force systems, equilibrium, geometric properties of areas and solids, trusses, frames and machines, shear force and bending moments, friction.  

Course Objectives: The overall objective of this course is to master the concepts of engineering mechanics as applied to statics (the study of objects in equilibrium). This includes applying basic math and physics principles in the process of identifying, formulating, and solving engineering problems. Specific objectives include learning mechanics, problem solving (including design and safety), communicating through Free Body Diagrams.  

Class Policies: All students are expected to attend all lectures. All students are expected to arrive to class on time and prepared to work. Students absent from lectures will be responsible for all material covered during the sessions. Instructor may administratively drop any student who misses four or more periods with a grade of E.  

Exams: Any student that misses an exam will be awarded a grade of E for the course. All students must take all exams at the times announced in class. There is no make-up exam. If you feel an exam has been unfairly graded you are more than welcome to ask for a re-grade. However, be aware that the re-grade may result in a further reduction of points if additional errors are found.
**Grading:** All homework, quizzes, and exams will count towards the final grade.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture and Recitation</td>
<td>5%</td>
</tr>
<tr>
<td>Attendance</td>
<td></td>
</tr>
<tr>
<td>Midterm Exams</td>
<td>45%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

This course is graded on the standard scale: **A:** 90-100; **B:** 80-89; **C:** 70-79; **D:** 60-69.

**Recitation/Discussion Section Policy:**

Recitation/Discussion section attendance is mandatory. Teaching Assistants present supplementary problem-solving demonstrations and clarify lecture concepts. Students must attend their enrolled recitation session. Some sessions will require that work be turned in for evaluation at the end of the session. Students will be considered for maximum two excused absences without any penalty. For absences for more than two sessions will result in losing points proportionately to the number of absences.

**Homework Policy:**

Homework assignments will be distributed well enough in advance to give you time to complete them before the due date. Please use white papers or engineering papers for your HW assignments (Mandatory! Other papers will not be accepted). Assignments must be submitted on the due date before class starts. Late submissions will not be accepted - no excuses - no exceptions.

**Policy Regarding Absences:**

1. **Students** are expected to attend all lectures and to be on time. Except in emergencies, a student must give the instructor advanced, notice in writing for an excused absence.

2. More than four (4) absences are considered to be "excessive" and will be cause for an administrative drop, which carries with it an automatic grade of "E".

3. **Withdrawals** with a grade of "W" will be given up to the day after the midterm exam is returned. Understand that according to University's Records Office policy, a "W" assigned on that late date will remain permanently on your records and appear on your transcript.

**Policy Regarding Dishonest Scholastic Work:**

The University's Code of Academic Integrity holds the student fully responsible for the content and integrity of all academic work related to examinations, homework, term projects, laboratory reports, and any other grading component. Furthermore, the ethical principles of the engineering profession as enunciated in the codes of ethics of various engineering professional societies specifically prohibit dishonest work and/or plagiarism. Therefore, in the event that an instructor observes or is made aware of cheating taking place in this course, he/she will take action to make sure that those involved are subjected to the most severe disciplinary sanctions permitted by the University.

**THESE POLICIES WILL BE STRICTLY ENFORCED WITHOUT EXCEPTION.**