

Syllabus
ENGR 251 Dynamics (Online Section)
Fall 2009

Instructor: Pam Ridgely

Email: PamRidgely@gmail.com, or through Blackboard (use the gmail one if there is any attachment). You can also contact me through Gmail chat at the above address (works with your myCuesta email account).

Office Hours: Tu/Th 5-5:30pm (except test days) in 4118, online through Blackboard 7-7:30pm every Wednesday, 7-8pm Monday before each test and by appointment.

Class Information: <http://academic.cuesta.edu/pridgely/> or from Blackboard

Classroom Medium: Blackboard <http://blackboard.cuesta.edu/> Check twice a week for announcements.

Course Description: Analyzes the dynamics associated with motion of rigid bodies and particles, including velocity, acceleration, relative motion, energy, work, momentum, and impulse. Utilizes vector mathematics. Includes 3-D.

Prerequisite: Engineering 250, Statics. See <http://em-ntserver.unl.edu/NEGAHBAN/EM373/math.htm> for the math you need to know for this class

Transferability: CSU; UC.

Textbook: Engineering Mechanics: Dynamics & Study PK & Mastering Package, 12th Ed., Hibbeler.
Make sure to get the one with the Mastering Engineering package (ISBN: 0-13-701630-1)
Optional lecture notes available on Blackboard.

Grading:	Final exam 25%	$\geq 90\%$	A
	4 Tests at 12.5% each	80-89.9%	B
	Weekly assignments 10%	70-79.9%	C
	Homework 10%	60-69.9%	D
	Online Quizzes + participation totaling 5%	0-59.9%	F

Final Exam: Tuesday December 15, 4:30-6:30pm in 4118 (comprehensive) Grades $\leq 3\%$ of end of scale are +/-

Test/Assignment Format: Each problem must:

- be done on the provided paper or one-sided 8.5"x11" paper (Engineering paper preferred). Use pencil.
- be neatly organized and easily readable.
- be in sequence, preferably on its own page. Make a note if the problem is continued elsewhere.
- define the coordinate system(s) used, if applicable.
- contain applicable diagrams -- even if it seems trivial.
- state basic equations used before any variables are substituted.
- state any assumptions made and justify them.
- use 3 significant digits.
- be self-explanatory. Explicitly explain anything that might be unclear.

Lectures: Online lectures will be made available through the class Blackboard site. You may also attend lectures for the in-class section of the class on Tu, Th 5:30-6:50pm (not 5:40pm) in 4118.

Tests: Tests are 4:30pm-5:30pm or 5:40pm-6:40pm on scheduled dates in 4118. No makeup will be permitted. Calculators may be used. All work must be shown in order to receive credit and adhere to the format stated above. Tests are closed book and notes. A one-sided (two-sided for the final) handwritten equation sheet is allowed for each test. It must not contain any specific example or problem. Pick up the graded test during office hours or bring a SASE to the test if you want it returned before the next test.

Weekly Assignments: given on Blackboard and due at 5:30pm each Thursday in class or on Bb. Solutions will be posted on Bb at 11:55pm on the same day. As a result, late assignments cannot be accepted after this time.

Homework: given and graded online through MasteringEngineering. You need the access code from your text package to register. Use course ID **MERIDGELY14755** and your myCuesta ID as your student ID. Due most Wednesdays and Sundays at 5pm.

Online Quizzes: also given and graded through MasteringEngineering. They are typically 10 minutes long and available from Sunday noon to Tuesday noon each week. You must complete your quiz during this window.

Online Participation: There will be a discussion board on Blackboard where you can ask and answer questions about the homework, online assignments, or anything related to the class, form study groups, etc. You are encouraged to use this resource to get help, and to help others. Your participation on the discussion board will be part of your grade.

24/7 Distance Education Help Desk: for technical issues related to distance education or Blackboard. Phone (866)847-3251 or <http://d2.parature.com/ics/support/default.asp?deptID=4186>

Student Code of Conduct: You are expected to abide by the information contained in the Cuesta College Catalog and by the Student Code of Conduct or disciplinary action will be taken. You may discuss assignments and homework (excluding sharing HW answers) with each other but you must write up your submissions on your own. You may not discuss the online quizzes until after the due date.