

Syllabus
ENGR 251 Dynamics (Hybrid Section)
Summer 2009

Instructor: Pam Ridgely

Email: pridgely@cuesta.edu, PamRidgely@gmail.com (if any attachment), or through Blackboard. You can also contact me through Gmail chat (works with your myCuesta email account).

Office Hours: after class in 4118, online through Blackboard 7-8pm the evening before each test and by appointment.

Class: Mon/Tu/Th 9:30-10:45am in 4118

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

Classroom Medium: Blackboard <http://blackboard.cuesta.edu/> Check there for announcements if you miss class. Your login is your myCuesta username and the default password is STUDENT (in all caps).

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: Vector Mechanics for Engineers: Dynamics, 7th or 8th Ed., Beer, et al. Copy on reserve at library
Optional lecture notes available on Blackboard.

Grading:	Final exam 25%	≥ 90%	A
	4 Tests at 12.5% each	80-89.9%	B
	Assignments 10%	70-79.9%	C
	Quizzes and class exercises 15%	60-69.9%	D
	Homework and class/online participation totaling ±3%	0-59.9%	F

Final Exam: Thursday July 23, 9:45-11:45pm in 4118 (comprehensive) Grades ≤ 3% of end of scale are +/-

Test/Assignment/Homework/Quiz 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. ("Basic equation" means it's on your eqn. sheet)
- state any assumptions made and justify them.
- be self-explanatory. Explicitly explain anything that might be unclear.

Class format: The majority of the instructions will be online through Blackboard. During class time, we will have a quiz at the beginning, then go over some materials and an exercise at the end. You will only be allowed to start the quiz if you arrive no later than 9:35am.

Homework: Each homework is due at the beginning of class and will be graded on a scale of 0 (0-25%) to 2 (75-100%). The solution will be made available on Blackboard at 11am on the due date. No late homework accepted.

Assignments: You will have assignments given through Blackboard. They may be submitted in class or online. Solution will be posted at 11am on the due date so late assignments will not be accepted after that time.

Tests: Tests are **9:45-10:45am** 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.

Online Participation: There will be a discussion board on Blackboard where you can ask and answer questions about the homework, 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.

Online Learning Center (OLC): Your textbook has online resources that include chapter summaries, sample problems, and quizzes. The use of the OLC is encouraged. It can be accessed through Blackboard.

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>

Tutorial Services: A free 1 hr daily tutorial service is provided by the college. Inquire at building 3300.

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.