AE 527
NUMERICAL METHODS IN ENGINEERING
SEC 21220 4:10 P.M. - 5:25 P.M. MW 209 WH
SPRING 2002

Instructor:	Jeff Dietiker, Ph.D.
Office:	219A Wallace Hall
Office Hours:	5:25 pm to 6:30 pm MW or by appointment
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Text:	None. Set of notes for sale in the AE office ($15.00)

Course content: Solution of nonlinear equations, matrices and systems of linear equations, curve fitting, finite difference calculus, numerical differentiation and integration, Introduction to partial differential equations. Prerequisites: AE 227. and Math. 555.

Grading policy:

Homework / Quizzes	50%
Mid Term	25%
Final	25%

The final grade will be based on a 100-point system (i.e., A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F = 59% and below).

Homework policy:

Homeworks will be assigned on a regular basis and the due date will be announced in class. Each homework will be collected at the beginning of the class on the due date. No late homework will be accepted. The following requirements apply to the homework format:

1. All assignments should be completed on a 8.5×11 in paper, on one side only.
2. Every new problem should be started on a new page.
3. Your name should be written on each page.
4. All work should be neat and organized.
5. All answers should be underlined or boxed.
6. Answers without a procedure will not be graded.
7. Unless specifically stated, all work is assumed to be performed individually. Cheating of any kind will result in the grade F in the class and "may result in further discipline at the college or university level" (WSU Student Handbook).