Num. Anal. for Eng. Appl. Handout #1 Fall 2009 Haecheon Choi

# NUMERICAL ANALYSIS FOR ENGINEERING APPLICATIONS (4461.530)

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**Text**: Moin, P. 2001 Fundamentals of Engineering Numerical Analysis. Cambridge University Press.

## References

- 1 Numerical Recipes, The Art of Scientific Computing by Press, Flannery, Teukolsky & Vettering, Cambridge Press.
- 2 Numerical Methods for Engineering Applications by J. H. Ferziger, John Wiley & Sons.
- 3 Linear Algebra and Its Applications by Strang, Academic Press.

## Homework

Homework will be given at the end of each chapter. Each homework should be done by himself/herself.

- 1 Do not present your source code as a part of the homework.
- 2 Present results in graphical form whenever possible. When it is appropriate to include raw data (usually never!) or listings, place them in appendices.
- 3 State any conclusions reached; comment on unusual or unexpected behavior. Discuss the significance and limitation of results.

## Computers and programming language

You may use any computers for the homework. You may use any types of programming languages. However, subroutines which you will need for the homework may be written in FORTRAN or C and be delivered to you. Therefore, students who use any other language may have to write subroutines by themselves.

## Grade

Homework (20 %), Midterm (30 %), Final exam (40 %), Attendance (10 %)

## Office Hours:

To be posted on the web (go to tfc.snu.ac.kr and click LECTURES) Choi, Haecheon 880-8361 choi@ # 301-1506