Instructor: Dr. Ohannes Karakashian

Office: Aconda 410A

Office Hours:

- M, F 10:00-11:00
- T,R: 1:00-2:00
- Other times by appointment

Text: Numerical Analysis, 8th edition, by R.L. Burden and J.D. Faires

Prerequisites: M141, M142, M200 or M251 or M257

Grading system:

- Homework 20%
- Computing Projects 30%
- Midterm exam 20%
- Comprehensive Final 30%

Chapters from text that will be covered:

2: Solution of equations in one variable
6: Direct methods for solving linear systems
7: Iterative techniques in matrix algebra
9: Approximating eigenvalues
10: Numerical solution of nonlinear systems of equations
11,12 Some topics, if time permits.

Remarks:

- Homework will be assigned at regular intervals, collected and graded. It is very important that, in addition, you work on other exercises from the text. It is unlikely that a student will understand the material well without solving a large number of exercises.
- All the exams are “closed-book”, however, students are allowed to bring 1-3 pages of formulas.