Numerical Analysis
MATH-UA 252 005

Time and Place
Lecture: Tuesday & Thursday 11:00-12:15, WWH 517
Recitation: Friday 12:30-1:45pm WWH 512

Lecturer: Angelika Manhart
Teaching Assistant: Jiajun Tong

Communication
- Office Hours:
  Angelika Manhart: Wed. 9:30am -11:30am or by appointment, WWH 925
  Jiajun Tong: Tue. 3:30pm-4:50pm or after the recitation or by appointment, WWH 605
- Email: angelika.manhart@cims.nyu.edu, jiajun.tong@nyu.edu
- Piazza

Grade Determination
Quizzes (~10%)
- During Recitation
- Approximately biweekly
- Definitions and Basic Concepts

Homework (~30%)
- Outside class, within two weeks time
- Approximately biweekly
- Apply and extend knowledge
- Paper&Pencil as well as programming
- you're welcome to discuss with colleagues, but: You have to write up your solution independently and write every line of code yourself!

Midterm and Final (~60%)
- In class
- Mid-term: 9th of March
- Final: t.b.a

Main Textbook
E. Suli and D. Mayers: An Introduction to Numerical Analysis. Cambridge University Press, 2003

Further Reading (Voluntary!)
R. Scott: Numerical Analysis, Princeton University Press, 2011
P. Deuflhard: A. Hohmann: Numeral Analysis in Modern Scientific Computing. An Introduction, Springer, 2003

Programming
W. Gander, M.J. Gander, F. Kwok: Scientific Computing - An Introduction Using Maple and MATLAB. Texts in Computation Science and Engineering. Springer, 2014
C. Moler: Numerical Computing with Matlab, SIAM, 2007