CE 301
NUMERICAL METHODS IN ENGINEERING

Reference Books

- Applied Numerical Analysis' by Gerald, C.F. and Wheatley, P.O., 2004
- Introduction to Numerical Computations' by Yakowitz, S. and Szidarovsky, F. 1990.
- Numerical methods for engineers by Chapra, S. C. 2006.

Course Content

I. Interpolation
II. Numerical Differentiation
III. Numerical Integration
IV. Nonlinear Equations
V. Ordinary Differential Equations (Initial value problems)
VI. Ordinary Differential Equations (boundary value problems)
VII. Partial Differential Equations

Grading

Assignments	12 %
Quizzes	12 %
Midterm Exam	32 %
Final Exam	44 %

Instructor
Prof. Dr. Gökmen Tayfur
Phone: 750 6815
E-mail: gokmentayfur@iyte.edu.tr

Teaching Assistant:
Binhan Arık
Ofis: E-106
Telefon: 750 6818
E-mail: binhanarik@iyte.edu.tr