Section 10: T, R 3:30-4:45 PM, EWG 207

Instructor: Constantin Bacuta, 517 Ewing Hall, 831-3382, E-mail: bacuta@math.udel.edu

Course Web Page: https://sakai.udel.edu/portal

Office hours: T 9:30-10:30 AM, TH 10:00-11:00 AM


Course Description: Numerical solution of linear systems; interpolation; differentiation and quadrature; transforms/FFT; nonlinear equations; initial value problems; boundary value problems; Monte Carlo methods; finite difference methods for partial differential equations. Additional topics at the discretion of the instructor. About this section: This course may not be taken for credit toward degree programs in Mathematical Sciences.

Homework will be assigned and will be collected regularly. Late problem sets will not be accepted unless prior permission is granted. No homework assignments are accepted after the graded assignments have been returned. Homework will include programming assignments.

Exams: There will be one in-class midterm exam (TBA).

Project: One project/presentation will be assigned during the semester. The project might include programming with MATLAB.

Final grade: Midterm exam = 20%, Homework = 60%, Project and presentation=20%. A > 90%, A− ≥ 87%, B− ≥ 80%, C− ≥ 70%, D− ≥ 60%, F < 60%.

Attendance Policy: I encourage you to attend every class. Attendance and active participation in class will be taken into consideration. College attendance policy as outlined in the Undergraduate Catalog “http://www.udel.edu/provost/fachb/III-1-l-attendance.html” will be followed.

Academic Integrity Statement:

All University of Delaware policies regarding ethics and honorable behavior apply to this course. Cheating receives a failing grade.

Please see The Chapter on Academic Honesty of the Student Guide to University Policies: Code of Conduct on the web at http://www.udel.edu/stuguide/09-10/code.html
Accessibility for Students with Disabilities:
If you are a student with a disability and wish to request accommodations, please contact
1) Office of Disabilities Support Services, 240 Academy St. Alison Hall Suite 119, or call (302) 831-4643, or
2) Academic Enrichment Center located at 148 South College Ave., (302) 831-2805.
Information regarding your disability will be treated in a confidential manner. Because
many accommodations require early planning, requests for accommodations should be
made as early as possible.

Note: This syllabus is subject to change.