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

Course Web Page: https://sakai.udel.edu/portal
http://www.math.udel.edu/ bacuta/M672/M672f11index.html

Office hours: M 4:00-5:00 PM, W 10:00-11:00 AM.


Material to be covered: From chapters 1-3, 5-10.

Course Description: Vector spaces, linear transformations, decomposition theorems and bilinear forms.

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.

Exams: There will be two in-class midterm exams (Wednesday, 10/5/11 and Friday, 11/11/11) and a cumulative FINAL EXAM (to be announced). No make-up tests will be given without an official university excuse.

Final grade: Midterm exams = 40%, Final exam =20%, Homework =40%.

Grading: A > 94%, A− ≥ 90%, B− ≥ 80%, C− ≥ 70%, D− ≥ 60%, F < 60%.

Course Goals: 1) Consolidate basic linear algebra topics including base, dimension, subspace, span, linear dependence, linear independence, orthogonality, projection, distance. 2) Develop the ability to use and apply objects of linear algebra in the context of vector space and linear maps. 3) Develop rigorous proof and problem solving skills. 4) Prepare for the Linear Algebra preliminary exam.

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.

**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.