

# MATH 265 Linear Algebra and its Applications

## 1 Course Information.

- Main topics: Linear Equations in Linear Algebra, Matrix Algebra, Determinants, Vector Space, Eigenvalues and Eigenvectors, Orthogonality and Least Squares, Symmetric Matrices and Quadratic Forms.

## 2 Course Grading.

Your **Total Score** will be comprised of the following:

- Homework 25%. **Late homework will NOT be accepted unless you have a University approved excused absence.** Online homework is submitted through BlackBoard, and hand-written homework is turned in to the instructor and will be hand-graded.  
Grader: TBA.
- Midterm I and II 20% each. **NO make up exam unless you have a University approved excused absence.**
- Final 35%. The final exam is **2 hour long** and will be **multiple choice**.

Assignment of the grade:

- The number of particular letter grades (A, B, . . .) in each section is based on the Final Exam Score across all sections of the course by using a coursewide Final Exam curve.
- The letter grades within each section are then determined based on the **Total Score**.

## 3 Attendance and Absences

It is incredibly important that you attend class, and I strongly encourage you to do so, although I will not be taking attendance. This course moves at a relatively rapid pace, and by missing classes it is easy to fall behind. **Reading the sections in the textbook ahead of time is recommended.** The following is the University policy about absence.

Students are expected to be present for every meeting of the classes in which they are enrolled. Only the instructor can excuse a student from a course requirement or responsibility. When

conflicts or absences can be anticipated, such as for many University sponsored activities and religious observations, the student should inform the instructor of the situation as far in advance as possible. For unanticipated or emergency absences when advance notification to an instructor is not possible, the student should contact the instructor as soon as possible by email, or by contacting the main office that offers the course. When the student is unable to make direct contact with the instructor and is unable to leave word with the instructors department because of circumstances beyond the students control, and in cases of bereavement, the student or the students representative should contact the Office of the Dean of Students. Please refer the link [https://www.purdue.edu/studentregulations/regulations\\_procedures/classes.html](https://www.purdue.edu/studentregulations/regulations_procedures/classes.html) for details.

## **4 Grief Absence Policy for Students**

Purdue University recognizes that a time of bereavement is very difficult for a student. The University therefore provides the following rights to students facing the loss of a family member through the Grief Absence Policy for Students (GAPS). GAPS Policy: Students will be excused for funeral leave and given the opportunity to earn equivalent credit and to demonstrate evidence of meeting the learning outcomes for misses assignments or assessments in the event of the death of a member of the students family. Please refer the link [http://www.purdue.edu/studentregulations/regulations\\_procedures/classes.html](http://www.purdue.edu/studentregulations/regulations_procedures/classes.html) for details.

## **5 Academic Dishonesty**

Purdue prohibits “dishonesty in connection with any University activity. Cheating, plagiarism, or knowingly furnishing false information to the University are examples of dishonesty.” [Part 5, Section III-B-2-a, Student Regulations] Furthermore, the University Senate has stipulated that “the commitment of acts of cheating, lying, and deceit in any of their diverse forms (such as the use of substitutes for taking examinations, the use of illegal cribs, plagiarism, and copying during examinations) is dishonest and must not be tolerated. Moreover, knowingly to aid and abet, directly or indirectly, other parties in committing dishonest acts is in itself dishonest.” [University Senate Document 72-18, December 15, 1972] Please refer the link <https://www.purdue.edu/odos/osrr/academic-integrity/index.html> for details.

## **6 Accommodations for Students with Disabilities**

If you have been certified by the Disability Resource Center (DRC) as eligible for academic adjustments on exams or quizzes, see [www.math.purdue.edu/ada](http://www.math.purdue.edu/ada) for exam and quiz procedures for your mathematics course or go to MATH 202 for paper copies. In the event that you are waiting to be certified by the Disability Resource Center we encourage you to review our procedures prior to being certified. For all in-class accommodations please see your instructor outside class hours, before or after class or during office hours to share your Accommodation Memorandum for the current semester and discuss your accommodations as soon as possible. Large print copies of the Information Sheet are available from MATH 202 upon request.

## 7 Use of Copyrighted Materials

Students are expected, within the context of the Regulations Governing Student Conduct and other applicable University policies, to act responsibly and ethically by applying the appropriate exception under the Copyright Act to the use of copyrighted works in their activities and studies. The University does not assume legal responsibility for violations of copyright law by students who are not employees of the University.

A Copyrightable Work created by any person subject to this policy primarily to express and preserve scholarship as evidence of academic advancement or academic accomplishment. Such works may include, but are not limited to, scholarly publications, journal articles, research bulletins, monographs, books, plays, poems, musical compositions and other works of artistic imagination, and works of students created in the course of their education, such as exams, projects, theses or dissertations, papers and articles.

Please refer the following link <https://www.purdue.edu/policies/academic-research-affairs/ia3.html> for details.

## 8 Calculator

NO calculators are allowed in the midterms and final exam.