Math 351, Fall 2015

Course Information

Professor: David Gepner

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Office: Math 740

Office Hours: Tuesday 4:30–5:30, Wednesday 2:00–3:00, Thursday 12:30–1:30pm.

Textbook: R.C. Penney, *Linear Algebra: Ideas and Applications*, 3$^{\text{rd}}$ Edition.

Grading Policy

There will be three three midterm exams throughout the semester in addition to weekly homework assignments, which will be collected at the *beginning* of class on the due date. Late homework will not be accepted.

There will *not* be a final exam. Each of the three midterm exams as well as the cumulative homework score will be worth 25% of the final grade.

Midterm Exams

The three midterm exams will be approximately one hour long and will be held in class. One entire lecture immediately preceding each exam will be devoted to reviewing the material relevant to the exam. Approximate dates for the midterm exams are as follows:

Exam 1: Thursday September 24th.

Exam 2: Thursday October 29th.

Exam 3: Thursday December 3rd.

Homework

Homework assignments will be listed here as they become available. Your total homework grade will count towards 25% of your final grade, and each homework assignment will be weighted equally. Only some of the problems assigned in the homework will actually be graded.

Homework 1, Due 9/3/15: Section 1.1 True/False Questions 1, 3, 5, 9, 12 (make sure to explain why the statement is true or give a counterexample if it is false) and Exercises 2, 3, 4, 5, 13, 14; Section 1.2 True/False Questions 2, 4, 6 and Exercise 8.

Homework 2, Due 9/17/15: Section 1.3 True/False Questions 1, 2 and Exercises 3, 7, 32; Section 1.4 True/False Questions 1, 2, 6, 9 and Exercises 1, 4, 11, 14, 16, 20.

Homework 3, Due 9/24/15: Section 2.1 True/False Question 2 and Exercises 4, 15, 24; Section 2.2 True/False Questions 1, 8 and Exercises 6, 10, 14, 21, 35.

Homework 4, Due 10/15/15: Section 2.3 True/False Questions 1, 4, 6, 8 and Exercises 20, 21, 22, 23, 24; Section 3.1 True/False Questions 3, 6 and Exercises 15, 17, 20.

Homework 5, Due 10/27/15: Section 3.2 True/False Questions 1, 9 and Exercises 23, 24, 25, 30; Section 3.3 True/False Questions 4, 8, 10 and Exercises 1, 11, 16, 19.

Homework 6, Due 11/3/15: Section 3.4 Exercise 2; Section 3.5 True/False Questions 1, 2, 8, 9 and Exercises 4, 11, 16.

Homework 7, Due 11/19/15: Section 4.1 True/False Questions 1, 2, 3 and Exercises 1, 9, 10; Section 4.2 True/False Questions 3, 4 and Exercises 5, 6, 10.

Homework 8, Due 12/1/15: Section 4.3 Exercises 1, 2, 6, 7; Section 5.1 True/False Questions 1, 5 and Exercises 1, 4, 5, 7.