MA422 – Advanced Linear Algebra

Fall Term, 2016

Calendar Description

Cayley-Hamilton Theorem; real and complex inner product spaces; Spectral Theorem; bilinear and quadratic forms; canonical forms. (Prerequisite: MA222 - Linear Algebra)

Instructor

Professor Kaiming Zhao (PhD)
Office: LH3042 (Science Building)
Office Hours: Monday, Wednesday and Friday 12:30 p.m. – 1:30 p.m., or by appointment
Email: kzhao@wlu.ca

Lectures

- Monday, Wednesday and Friday, 11:30 a.m. – 12:20 p.m. in BA209 (Bricker Academic Building)

Textbook

- Friedberg, Insel and Spence, *Linear Algebra*, 4th Edition, Prentice-Hall, 2003.

Instructor

Only non-programmable, non-graphing calculators are allowed during the midterm test and the final examination.

MyLearningSpace

Materials related to this course and the full course outline will be posted on the MA422 MyLearningSpace website. You are responsible for checking here on a regular basis for important announcements.

Evaluation

A final mark out of 100 will be calculated as follows:

- Four Assignments: (TBA in class) 20%
- Midterm Test: (Friday, Nov. 4, in class) 30%
- Final Exam: (2 hours, exact date, time and location to be announced) 50%

The final mark will be reported as a letter grade in accordance with the conversion table of the current undergraduate calendar.

This document is a summary of the course outline for MA422 and is provided for the convenience of students.