MTH 510/610 - Linear Algebra
Spring 2019

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Office Hours: Monday, Thursday 3:30 - 4:30 PM and by appointment.

Textbook: *Linear Algebra Done Right, 2nd ed.* by Sheldon Axler

Topics: Abstract vector spaces, bases and dimension, linear maps, eigenvalues and eigenvectors, inner product spaces, operators, spectral theorems, canonical forms. This is a proof based course.

Prerequisites: MTH 210; transition course in logical reasoning such as MTH 230 or MTH 309 recommended but not required.

Grading policy:
- Three exams equally weighted. Third exam is comprehensive. Makeups will not be given except with documented medical excuse.
- Attendance, class participation and homework will play an important role in determining final grades especially in borderline cases.
- Homework assigned the previous week will be discussed in class each Tuesday and will be collected at the beginning of class on Thursday. It should be turned in as one assignment with all pages stapled together. Late homework and emailed homework will not be accepted.
- Weekly homework assignments will be posted on the website
  http://www.math.miami.edu/∼wachs/teaching.html.

General rules:
- Cell phones and computers must be put away during class.
- Calculators are not permitted during exams.