Elementary Linear Algebra -- Spring 2018

MTH 329 – Elementary Linear Algebra. Systems of linear equations, matrices and determinants, vector spaces, linear transformations, eigenvalues, eigenvectors, and applications. PR: ACT Math 27 or MTH132 or MTH229 or IST131. 3 Credit Hours

- Time and Place: 3:00 pm - 3:50 pm MWF at 511 Smith Hall.
- Instructor: Peter Saveliev (call me Peter).
- Office: Smith Hall 713.
- Office Hours: MW 4:00, TR 3:00, or by appointment.
- Office Phone: x4639.
- E-mail: saveliev@marshall.edu.
- Class Web-Page: math02.com.
- Prerequisites: excellent algebra skills, working knowledge of basic Euclidean geometry, good understanding of functions -- same as for Calculus I.
- Text: the lecture notes.
- Outcomes: the student will learn vector algebra and matrix algebra and how to apply them.
- Computer Restrictions: graphic calculator TI-83 or TI-83+.
- Activities: the student will practice each outcome via the homework given in the textbook and online.
- Evaluation: the student achievement of each outcome will be assessed via:
    - in-class quizzes;
    - online quizzes: based on the course material, provided by Webwork, http://webwork.marshall.edu/webwork2/S18-Math-329-Saveliev/;
    - in-class tests.
- Grade Breakdown:
    - participation: 5%,
    - quizzes: 30%,
    - midterm: 25%,
    - final exam: 40%,

i.e., the total score is the following weighted average of the five scores:

$$\text{TOTAL} = .05 \times P + .30 \times Q + .25 \times M + .40 \times F.$$