MATH 2010 - Linear Algebra

INSTRUCTOR:
Robert (Bobby) Jackson
Office/Phone: AL 210/539-7060
rtjackson@pstcc.edu
http://www.pstcc.edu/facstaff/rtjacks

OFFICE HOURS:
MWF 9:40-10:35, TR 10:45-11:40, or by appointment

CATALOG COURSE DESCRIPTION:
Topics include solutions of systems of linear equations and Euclidean vector operations. Concepts of linear independence, basis and dimension, rank and nullity are defined and illustrated. Additional topics include eigensystems and general linear transforms.

PREREQUISITE:
MATH 1920.

REQUIRED EQUIPMENT AND MATERIALS:
Textbook: Elementary Linear Algebra by Anton, 11th edition
A calculator with matrix capabilities is required.
Optional: Obtain online access to e-textbook via Wiley Plus.

ATTENDANCE:
The Pellissippi State Mathematics Department faculty expect registered students to attend all scheduled instructional activities. As a minimum, students must be present for at least 75 percent of their scheduled classes in order to receive credit for the course. Thus, students who are absent for more than 7 class meetings will receive a grade of “F”. Attendance is counted starting from the first official class meeting.

If a student stops attending class for 6 or more class meetings in a row, then they will be reported as “stopped attending”. If a student marked as stopped attending returns to attend class, they will not be reported as attending unless they continue to attend a set number of consecutive class meetings. The number of meetings required will be at the discretion of the instructor. Student attendance information is shared with the financial aid office.
STUDENT CONDUCT:
Students are expected to conduct themselves as civil and law-abiding members of our academic community. Any behavior that is disruptive or in violation of the rules and regulations of PSCC can result in removal or exclusion of the student from the course. Please be respectful of other students’ right to have an environment that is conducive to learning. Do not carry on conversations with other students while I am lecturing. Please turn off cell phones or place them in silent mode before class starts. Do not text or make phone calls during class.

Plagiarism, cheating and other forms of academic dishonesty are prohibited. In addition to other possible disciplinary sanctions that may be imposed through the regular Pellissippi State procedures as a result of academic misconduct, the instructor has the authority to assign an F or a zero for the exercise or examination OR to assign an F in the course.

INCLEMENT WEATHER:
If classes are cancelled due to inclement weather on a meeting in which a test is scheduled, that test will be administered on the FIRST class meeting after classes resume. Any assignment (homework or project) that is due on a day in which class is cancelled due to inclement weather will also be due on the FIRST class meeting after classes resume.

ACCOMODATIONS:
Students who need accommodations because of a disability, have emergency medical information to share, or need special arrangements in case the building must be evacuated should inform me immediately and privately after class or in my office. Students must present a current accommodation plan in order to receive accommodations in this course. Services for Students with Disabilities may be contacted by going to Alexander Building Room 130 or by phone at 539-7153.

EMAIL COMMUNICATION:
Please check your @pstcc.edu webmail account. I will from time to time send out reminders and other information to students using their PSCC email addresses.

EXTENDED COLLEGE CLOSURE:
Pellissippi State Community College is committed to the educational process and student learning. In the event of a prolonged college closure (of at least a week), I will e-mail the students by means of Pellissippi State’s webmail system (your e-mail address that ends with @pstcc.edu) and inform them how we will continue the course. The students will be responsible for checking their Pellissippi State e-mail account in such an event. I may also place announcements on my web page (see above) or on D2L (https://elearn.pstcc.edu), especially if the PSCC email server is not working.
HOMEWORK:
Homework assignments for the textbook are posted on my webpage (see above). Other problems may be assigned in class. If you are absent (or know you will be ahead of time), please contact one of your classmates or me as soon as possible to find out what was assigned. The key to success in this course is through attempting and understanding all assigned problems. You should read the relevant sections and work through relevant examples from the text before attempting your homework. Some of the assigned problems are not trivial and require thought and effort by the students. Thus, make sure to set aside time each day for working on your homework. Find a place that is conducive to thinking and working. Please do not fall behind in doing homework.

I will also give out homework problems in class for students to turn in for a grade. I plan on collecting and grading 11 homework sets. Each will be graded out of 10 points. I will drop your lowest homework grade so that there will be 100 homework points.

TESTS:
There will be four regular tests and one comprehensive final exam (see the Tentative Class Schedule for dates). Makeups will be given if there is a verifiable emergency or situation. If you know in advance of an unavoidable conflict, a test can be given at a time different than scheduled if I am informed at least a week before the scheduled test date. Each test and the final exam will be graded for 100 points.

COURSE GRADE:
Your course grade will be based upon your accumulation of points (600 possible: four 100 point tests, 100 points for homework, and the 100 point final exam).

558-600 points: A (93-100%)
528-557 points: B+ (88-92%)
498-527 points: B (83-87%)
468-497 points: C+ (78-82%)
420-467 points: C (70-77%)
360-419 points: D (60-69%)
< 360 points: F (Below 60%)

HELP:
Please see me during office hours or make an appointment if you have any questions about homework or any of the material discussed in class. I am your primary resource for help