

MATH 2010 P26 Matrix Algebra
TR 3:05 – 5:05 pm in AL 228

INSTRUCTOR:	Robert (Bobby) Jackson
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OFFICE HOURS:	M-R 12:55-1:50, F 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. A computer laboratory component is required.
PREREQUISITES:	MATH 1920.
REQUIRED EQUIPMENT & MATERIALS:	Textbook: <i>Elementary Linear Algebra</i> by Anton, 10th edition A calculator with matrix capabilities is required.
ATTENDANCE:	Students must attend at least 75% of all scheduled classes. 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.
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. 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.
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 e-mail 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 will also place announcements on my web page (see above) if at all possible.

HOMEWORK: Homework assignments for the textbook will be given out regularly 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 from the text.

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 (e.g. quiet and with no distractions). Please do not fall behind in doing homework. Some homework may be collected and graded.

LABS: Labs that at times require the use of a computer algebra system and/or a calculator will be handed out periodically. We will be using a computer algebra system named MuPad via the software package Scientific Notebook. I will teach you how to use this software. Portions of the labs will need to be worked on outside of class without the use of the software. Labs and any graded homework will count 100 points.

TESTS: There will be four regular tests and one mandatory comprehensive final exam. See the Tentative Class Schedule for dates. If there is a verifiable emergency or situation, 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 will be graded for 100 points. The final exam will be comprehensive. Students must take the final exam to pass the course. The final exam will count 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 labs/homework, and the 100 point final exam).

558-600 points: A
528-557 points: B+
498-527 points: B
468-497 points: C+
420-467 points: C
360-419 points: D
< 360 points: F

SML: Students have the opportunity to earn extra credit by participating in the Student Mathematics League (SML). The SML is an international competition consisting of a multiple-choice test at the precalculus level. Students who participate, give an honest effort, and stay the whole time will receive extra credit. Details to be provided later.

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.