SYLLABUS

LINEAR ALGEBRA (M 221-1) – Fall 2012 (4 cr.)
(Class webpage: http://www.math.umt.edu/tonev/221-f12.html)

Professor: Dr. Thomas Tonev, office: MATH 207, ext. 4850, Webpage: http://www.math.umt.edu/tonev
e-mail: tonevtv@mso.umt.edu

Text: Howard Anton, Elementary Linear Algebra, 10th edition, Wiley

Prerequisite: Calculus II (M 172)

We meet in MATH 305, MTWF, 11:10-12:00

We will study most of the material in Chapters 1 – 8. Not all of this can be covered in class. You are expected to read and work part of it on your own. You will learn: The theory of linear equations, Gauss–Jordan elimination, matrix algebra, determinants, vectors in the plane and space, vector spaces, linear transformations, orthogonality, eigenvalues and eigenvectors, to understand some applications of linear algebra and to write and read simple proofs.

Grading policy: There will be five homework assignments, five quizzes, two midterm exams, group work and a final exam* on December 12, Wednesday (8:00 – 10:00) in MATH 305, same as classroom. Homework** will be assigned, collected and returned to you. The grade is based on the total score (up to 400 pts.).

Maximal scores:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Score</th>
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<tbody>
<tr>
<td>1st midterm (October 8, Monday)</td>
<td>100</td>
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<tr>
<td>2d midterm (November 13, Monday)</td>
<td>100</td>
</tr>
<tr>
<td>Homework, Quizzes, Group Work</td>
<td>60</td>
</tr>
<tr>
<td>Final (December 12, Wednesday)</td>
<td>140</td>
</tr>
<tr>
<td>Total:</td>
<td>400</td>
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Letter Grade:

A ( > 375), A- (351-375), B+ (326-350), B (276-325), B- (251-275),
C+ (226-250), C (176-225), C- (151-175), D+ (126-150), D (76-125), D- (50-75), F (<50)

Days of no classes: September 3 (Labor Day), November 6 (Election Day), November 12 (Veterans Day), November 21, 23 (Thanksgiving Break).

The deadline to drop/add the course: September 17 - on Cyberbear, October 29 – with a paper form, December 7 – by petition.

Office hours: MWF, 12:00-12:45 in MATH 207

If you have any questions, complaints, or concerns let me know during my office, or by appointment. ***

*) Comprehensive. **) Late work is not accepted. ***) The UM assures equal access to instruction through collaboration between students with disabilities, instructors and DSS (http://www.umt.edu/disability). Students with disabilities are welcome to discuss appropriate accommodation with me.

Administration Advice: *All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code (e.g. in the A – Z Index on the UM web page)