Fall 9-1-2005

MAT 002T.02: Pre-Algebra

Thomas Williams

The University Of Montana

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<tr>
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<th>WEDNESDAY</th>
<th>FRIDAY</th>
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<tr>
<td>Jan. 24: Orientation, 1.1</td>
<td>Jan. 26: 1.2, 1.3, 1.4, 1.5</td>
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<td>Jan. 31: 1.8, 1.9</td>
<td>Feb. 2: 2.1, 2.2</td>
<td>Feb. 4: 2.3,</td>
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<td>Feb. 7: 2.4, 2.5</td>
<td>Feb. 9: review</td>
<td>Feb. 11: Exam I</td>
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<td>Feb. 14: Review</td>
<td>Feb. 16: 3.1, 3.2</td>
<td>Feb. 18: 3.2, 3.3</td>
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<td>Feb. 21: President's Day</td>
<td>Feb. 23: 3.4, 3.5</td>
<td>Feb. 25: 3.5</td>
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<td>Feb. 28: 4.1, 4.2</td>
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<td>March 4: 4.5, 4.6</td>
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<td>March 7: 4.7, 4.8</td>
<td>March 9: review</td>
<td>March 11: Exam II</td>
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<td>March 14: 5.1, 5.2, 5.3</td>
<td>March 16: 5.4, 5.5, 5.6</td>
<td>March 18: 5.7, 5.8</td>
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<td>March 21: Spring Break</td>
<td>March 23:</td>
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<td>March 28: 6.1, 6.2, 6.3</td>
<td>March 30: 6.4 review</td>
<td>April 1: Exam III</td>
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<td>April 6: 7.2, 7.3</td>
<td>April 8: 7.4, 7.5</td>
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<td>April 11: Rectangular</td>
<td>April 13: linear equations</td>
<td>April 15: Introduction to</td>
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<td>coordinate systems</td>
<td>In two variables</td>
<td>Graphing linear equations</td>
</tr>
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<td>April 18: review</td>
<td>April 20: Exam IV</td>
<td>April 22: review</td>
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<td>April 25: Area and volume</td>
<td>April 27: Weight and mass</td>
<td>April 29: Dimensional</td>
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<td>May 2: Dimensional analysis</td>
<td>May 4: Review</td>
<td>May 6: Exam V</td>
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</table>

**Finals: May 9-13**  
The final exam is comprehensive.

**Instructor's Office:**  AD9 (COT)  
**Phone:** 243:7906  
**e-mail:** thomas.Williams@umontana.edu
I. INTRODUCTION

MAT 002T is a course for students who need to improve basic mathematical skills before entering MAT 005T. It is intended for students who have little or no algebra background as well as for those who need a refresher course of topics typically covered in a pre-algebra course. It consists of four registration credits with no credit toward graduation.

Placement into MAT 002T is based on the results of the mathematics placement exam on the Mountain Campus, the COMPASS test for new COT students, or your SAT or ACT scores. If you have not taken a placement exam, please go to the Math Lab on the Mountain Campus or the Academic Support Center (ASC) at COT immediately. It is crucial to be enrolled in the proper math class.

II. METHOD OF INSTRUCTION

Instruction in MAT 002T consists of three hours of lecture a week and one or two hours in the Math Lab on the Mountain Campus or the Academic Support Center (ASC) center at COT. The syllabus specifies sections from the text to be covered for each class and class exams. In addition, the instructor may assign other work to be handed in. The pace of the course is brisk so students will require additional hours of study each week to insure satisfactory progress. Plan for this when you set up your study and work schedule.

The text is PREALGEBRA (4th edition) by K. Elayn-Gay. Copies of the text will be placed on reserve at the Mansfield Library, in the Math Lab on the Mountain Campus and the ASC at COT.

III. MATH LAB

The Math Lab is in the basement of the Mathematics Building (B-3) on the Mountain Campus. The Lab hours are on the back of your syllabus. Each time you use the lab, sign in on the appropriate sheet. Use your Griz Card or picture ID when checking out any materials or taking make-up exams. The ASC is located in AD-06 at the College of Technology. There are tutors and other materials available for your needs on either campus.

IV. TESTING PROCEDURES

When preparing for an exam, read your class notes and the chapter summary carefully. Work the review questions. Then take the chapter test as if you were taking it in the classroom. Check your answers in the back of the book and review anything you missed. If you are having difficulty with any of the problems, seek help from your instructor or a tutor. Most students find that the pace of the course is fast so it is essential to keep up with the course syllabus in order to be prepared for each of the exams.

Exams are given in class. All scratch work must be done directly on the test and returned to the instructor when you leave the room. Academic honesty is expected at all times - cheating is NOT tolerated!
Exams and/or quizzes can NOT be made up! However, if you know you will be absent, feel free to schedule the exam you will be missing with me at least one class period BEFORE your leave. You are also welcome to take your exam during any other section of math 002 that I teach provided there is room and your personal circumstances warrant it.

Eligible students with disabilities will receive appropriate accommodations in this course when requested in a timely fashion. Please speak with me after class or in my office. Please be prepared to provide a letter from your DSS Coordinator.

Students planning to request testing accommodations should be sure to bring the form to me in advance of the two-day deadline for scheduling with either ASC or DSS.

V. GRADING POLICIES

The course grade is based on your four scores from the class exams, (100 points each, total 400), ten unscheduled quiz scores (10 points each, total 100); and one comprehensive final exam (150 points). Letter grades with the percentage intervals are given below.

<table>
<thead>
<tr>
<th>Exam Grade</th>
<th>Exam Score</th>
<th>Course Grade</th>
<th>Course Average</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>91 - 100+</td>
<td>RA</td>
<td>91 - 100</td>
</tr>
<tr>
<td>B</td>
<td>81 - 90</td>
<td>RB</td>
<td>81 - 90</td>
</tr>
<tr>
<td>C</td>
<td>68 - 80</td>
<td>RC</td>
<td>68 - 80</td>
</tr>
<tr>
<td>D</td>
<td>60 - 67</td>
<td>RD</td>
<td>60 - 67 retake 002T</td>
</tr>
<tr>
<td>F</td>
<td>0 - 59</td>
<td>RF</td>
<td>0 - 59 retake 002T</td>
</tr>
</tbody>
</table>

At the end of the semester the final grade is assigned by the following criteria. Under the Pass/No Pass grading option, the student who has earned a C or better in the course earns a grade of PR(pass). A non-passing grade of D or F earns an NPR. Students electing the traditional grade option will receive the appropriate passing letter grade shown above. Under either grading option, the R flags the grade so that the grade for MAT 002T is not computed in the cumulative GPA. Any student with a non-passing grade of DR, FR or NPR must repeat MAT 002T before taking MAT 005 or 100T.

INCOMPLETE POLICY: A grade of incomplete will be considered only when:
* the student has been in attendance and passing the course up to three weeks before the end of the semester, and
* factors beyond the student's control make it impossible to complete the requirements of the course on time, and
* the instructor and the student agree that there is a reasonable probability that the student will complete the work and specific
arrangements will be drawn up and signed by both for making up the work as soon as possible.

* the signed agreement will be kept by the course coordinator.

When a student receives an incomplete, the grade assigned is I(F) or I(NP). This means that if the "I" has not been removed within one calendar year it will automatically become an F or NP.