Math 072B- Pre-Algebra

IMPORTANT INFORMATION: On May 4th all students enrolled in Math 72B will take a 50 minutes comprehensive exam. Students who pass this exam will move on to 74C. Students who do not pass this exam will repeat the content from Math 72B spring term 2015.

Instructor: Jennifer Leber Phone: 527-4245
Office: #17 Email: jennifer.leber@wwcc.edu
Office hours: 1:30-2:30 or drop in, call, or email anytime!

Course Description: Math 072B Pre-Algebra explores mathematical concepts that are foundational to success in algebra. The course will investigate properties of equality and examine how they can be used to solve linear equations in one variable and to solve a formula for a given variable.

Prerequisites: MATH 072B has a prerequisite of MATH 070A, or appropriate score on the placement exam.

Required Text: You must purchase a MyLabsPlus code just one time for the required text “Developmental Mathematics.” The code may be purchased at the bookstore or online. You will be able to use the same code throughout the pre-college mathematics sequence. If you already bought a code for 70A you will not need to buy another code for 72B.

Other Required Materials: You will need a scientific (NOT GRAPHING) calculator. You may not use your cell phone as your calculator. Please buy a 3-ring binder with four dividers and a highlighter.

Student Learning Outcomes: On the cumulative exam, students will be able to:

- With a calculator, student will be able to solve one step linear equations with rational coefficients.
- With a calculator, student will be able to solve two step linear equations that involve collecting like terms on one side.
- With a calculator, student will be able to solve two step linear equations that involve variables on both sides.
- With a calculator, student will be able to solve two step linear equations that involve variables on both sides of the equation.
- Student will be able to solve linear equations that require use of the distributive property.
Student will be able to solve a multivariable equation for a given variable where the solution involves adding, subtracting, multiplying, and dividing.

- With a calculator, student will be able to simplify numeric expressions involving absolute value.
- Student will be able to solve linear equations involving absolute value.
- With a calculator, student will be able to solve commission applications, net pay applications, and percent change applications.
- With a calculator, and given a mean and an incomplete set of data, student will be able to compute the missing data point.
- Given any two of rate, time and distance, student will be able to find the missing value.
- Student will be able to solve linear inequality in one variable.

Grading Policy:

To receive a C or higher in Math 072B, students MUST pass the comprehensive common exam written and graded by the math department. Otherwise, grades will be based on class points assigned on homework and paper/pencil quizzes, notebooks, and exams. **Students must complete 50% of the homework in order to take the final exam on May 4th, 2015.**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>At least 92% of class points and pass comprehensive exam.</td>
</tr>
<tr>
<td>A-</td>
<td>90-91.99% of class points and pass comprehensive exam.</td>
</tr>
<tr>
<td>B+</td>
<td>88-89.99% of class points and pass comprehensive exam.</td>
</tr>
<tr>
<td>B</td>
<td>82-87.99% of class points and pass comprehensive exam.</td>
</tr>
<tr>
<td>B-</td>
<td>80-81.99% of class points and pass comprehensive exam.</td>
</tr>
<tr>
<td>C+</td>
<td>78-79.99% of class points and pass comprehensive exam.</td>
</tr>
<tr>
<td>C</td>
<td>72-77.99% of class points and pass comprehensive exam.</td>
</tr>
<tr>
<td>C-</td>
<td>Fewer than 72% of class points and pass comprehensive exam.</td>
</tr>
<tr>
<td>D</td>
<td>At least 60% of class points and fail comprehensive exam.</td>
</tr>
<tr>
<td>F</td>
<td>Fewer than 60% of class points and fail comprehensive exam.</td>
</tr>
</tbody>
</table>

**Homework:** Most homework will be assigned and completed online through MyLabsPlus and times of completion are listed for each assignment.

**NOTE TO STUDENTS ABOUT HOMEWORK:** Take homework seriously. It is one of the main vehicles for learning in this math class. It is your chance to practice. If you get help on a homework problem, you should hit “similar exercise” and make sure you can complete another problem without any assistance. There is no set amount of time that homework should take. For some students it will take as little as an hour per night, but for many students it will take much longer. You should continue to work on problems until you have mastered the material.
Attendance: Students are expected to log in and work in the class everyday starting week 1. It is the student's responsibility to keep informed of any announcements, syllabus adjustments, or policy changes. Students who miss the first week of classes and do not log into MyLabsPlus will be dropped.

Policy on Due Dates and Make-Up Work: Late work will be accepted for half of the points for one week after due date. If paper and pencil assignments and quizzes are assigned it is due on the specific due date and can be delivered either in person, by email, or by having a classmate bring it to my office. Students will have an opportunity to turn in late assignment for one week after due date for half credit. Students must complete 50% of the homework in order to take the final exam on May 4th, 2015.

Withdraw/Drop Information: The last day to drop a class in May 15th.

Academic Integrity: The mathematics department does not tolerate cheating. Students who have questions or concerns about academic integrity should talk to their instructor.

Accommodations for Students with Disabilities: A student with a documented disability may request accommodations by contacting Claudia Angus, Coordinator of Disability Support Services, by phone at 527-4262 or by email at claudia.angus@wwcc.edu.

Creating Conditions for Successful Learning: Research shows success in math class depends very much on two factors: the amount of time spent working on the material and the student's beliefs about mathematics and what it means to understand and do mathematics. With this in mind, here are some suggestions:

- Go online and work in your class EVERY DAY!
- Do not wait to start on the homework the day it is due, please start the same day as the lecture on the material.
- Spend at least 3-4 hours every day, looking at the videos BEFORE starting on the homework, looking at course documents which include daily notes from my lecture class, reading the media textbook, working on homework assignments, and studying. At least 3-4 hours a day will need to be scheduled into your day for this class.
- No texting in class!
- Students will need a scientific calculator for this class. Recommendation, TI30XS that can be purchased in our WWCC bookstore. Graphing calculators, ipods, or phones are not allowed.
• Realize that mathematics is not just a set of procedures; mathematical concepts involve a lot of thinking and reasoning. Consequently, being able to execute procedures accurately is only one part of doing well in this class.
• Realize that success in mathematics is less about "ability" and more about willingness to think and to work hard to make sense of things.

**Tutoring and Learning Center (TLC):** The WWCC TLC is located in Room 244 of the main building on the Walla Walla campus. All services in the TLC are free to WWCC students. No appointments are taken for tutoring services. You should just walk in, sit down, get to work, and ask anyone wearing a green vest for help if you get stuck.