

**MAT 187B**  
**Basic Arithmetic**  
**Winter 2012**

**Monday/Wednesday: 1-2:50 pm**

**Instructor: Dr Beverly Palley:**

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**Office Hours: TBD**

**Textbook (Optional): *Basic College Mathematics*, by Tobey & Slater, Sixth Edition**

**REQUIRED SOFTWARE LICENSE** It is required to have a software license to use the software MyMathLab in this class. Students have two choices. The first choice is to purchase the textbook from the bookstore. The textbook comes with the software license for an additional cost of approximately \$5. The second choice is to purchase the license alone either from the bookstore or online at [coursecompass.com](http://coursecompass.com). The license gives you access to the textbook online. This is a more economical choice, but is only recommended to students who have online access and feel comfortable reading a computer screen instead of a traditional book. If you purchase a used textbook, you will also need to purchase the software license. The software license is valid as long as the student uses the same textbook; the student may need to call the tech support to obtain another access code if the student takes the same class again later.

**Course ID: palley04791** For assistance call 1-800-677-6337, Mon - Fri 5:00 am - 5:00 pm & Sunday 2:00 pm - 9 pm. Online assistance is available 24 hours every day at: [247pearsoned.custhelp.com](http://247pearsoned.custhelp.com)

**Course Description** The purpose of this course is to teach students the skills of basic Arithmetic. In reality, you have probably already seen this material somewhere in your educational past but may have forgotten it or never really understood it when it was first presented. In this class, our goal is to fill in the gaps of your knowledge about arithmetic and to help you get the “big picture” so that it will all fit together in a way which makes sense to you and that you are able to apply it to “real life” problems. This course will cover decimals, percents and an introduction to Algebra.

This course, Math 187B is the second of the two six-week classes (each receiving its own grade):

Math 187A covers whole numbers, fractions, and an introduction to decimals.

Math 187B covers the rest of decimals, percents, and an introduction to algebra.

Calculators Calculators are not allowed in this class on exams or the final.

Tutoring Tutoring is available in the Math Success Center (MSC) in Room 201.

Please note: Students will earn 0.5 point toward the total grade for every 10 hours in MSC or DRC. However, if any student misses two or more classes, no lab credit will be granted.

### **Student Learning Outcomes**

1. Solve problems involving decimals, percents, and beginning Algebra.
2. Translate written language into mathematical statements.
3. Apply the topics of Basic Arithmetic (Part II) to real life situations.

### **Grading Policy    Method of Student Evaluation**

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|--|-----|
| • Homework (Online , 20 @ 5 points each)           | 100 |
| • Quizzes (Two, In Class, 10 points each)          | 20  |
| • Exams (Two, In Class, 100 points each)           | 200 |
| • Final (Covers entire course content, 140 points) | 140 |

Your letter grade will be based on your percentage.

A=90-100%    B=80-89%    C=70-79    D=60-69%    F =less than 60%

Homework Homework will be done online using MyMathLab. Due dates are listed for you when you go on line to do the assignments. Feel free to consult a fellow classmate, a tutor, your instructor, or anyone else for assistance on the homework. In addition, the computer will give you help with any problem, show you an example of a similar problem, and in some cases show you a video of someone teaching how to do that type of problem. You can work on homework after the due date but there are penalties for being late (see the make-up policy below). If you don't have the internet connection at home, you can print them out in school at Math Lab, TLC, or D-wing Lab, work the problem on the papers, and enter the answers in school.

Exams and Quizzes Exams and Quizzes will be taken in class. If you do not take a quiz on time, a zero will be recorded for that grade.

Exam Policy Grading will be based on progress towards the final answer, and the demonstration of understanding of the concept that is being tested. The more you show me with steps and detail, the better your chances for partial credit. You provide me the communication and detail in your answers; and I will give you the best grade I can based on that communication and answer. You can use one page of notes, front and back, for quizzes, exams and the final.

Make-up Policy For Exams and the Final, make-up is possible if the instructor is contacted in advance and the absence is excuse; there is a 10% penalty if the absence is not excused. The make-up test needs to be taken before the next class. Homework will be accepted late up to one week after it is assigned for half credit; the online homework will be closed after the due date, and I will reopen it the next day, morning for another week for the late homework. If you take the make-up test at TLC, you need to make an appointment at TLC 24 hours ahead by going to TLC, call (530)541-4660 x 740, or e-mail [TLCProctors@ltcc.edu](mailto:TLCProctors@ltcc.edu).

**Disabilities Learning** If you have a certifiable learning disability that may affect your performance in this class, be sure to discuss your special needs with me during the first week of class. Learning disabilities will be accommodated.

**How to succeed in a Math Course**

- 1) Read your textbook before class.
- 2) Choose to attend all class periods and be on time.
- 3) Exchange names and phone number with classmates.
- 4) Learn from your mistakes and be patient with yourself.
- 5) Don't be afraid of asking questions.
- 6) Know how to get help if you need it.
- 7) Organize your class materials.
- 8) Do your homework.
- 9) Check your work.
- 10) Hand in assignments on time.

**Academic Dishonesty (Cheating)** Academic dishonesty of any form will not be tolerated. Students caught cheating on exams or quizzes will receive a score of zero on the assignment for the first offense and a course grade of F for the second offense.

Cheating will be defined as but not limited to: (1) using any method to copy another's work on an exam, quiz, or final (2) directly copying another student's homework assignment (3) using any method other than your own honest efforts to complete exams, quizzes, the final, or homework assignments.

The following activities are NOT cheating: (1) collaborating with other students to complete homework assignments (2) working with math tutors or academic coaches to complete homework assignments (3) working with other students to study for exams, quizzes or the final.

Financial Assistance If you need help paying for your books or other expenses, call our financial aid officer, America Ramirez, at 541-4660 x236, email her at [Ramirez@ltcc.edu](mailto:Ramirez@ltcc.edu), or drop by A100.

Where to find a computer on Campus: Computers are available for your use in the following locations on campus:

Learning Assistance Center (LAC)\* open Mon - Thurs 9 - 6, Fri 10 - 2, Sat 11 - 3.

Math Success Center (MSC) \* open Mon - Thurs 9 - 6, Fri 10 - 2, Sat 11 - 1.

Open Labs in the D-wing which have available times posted by the door of each lab.

\* Both the LAC and the MSC are in room 201.

Winter Tentative Schedule  
Math 187B

February 13- 3.5 Division of Decimals

3.6 Converting Fractions to Decimals

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3.7 Applied Problems Involving Decimals Homework Due 2/15

February 15—4.1—Ratios (No Homework due)

4.2 Proportions

4.3 Solving Proportions

5.1 Understanding Percent Homework Due 2/19

Take Home Quiz #1 (Sections 3.5-3.7-Due 2/22)

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February 20—Washington's Birthday

**Due Take Home Quiz#1**(Sections 3.5-3.7-Due 2/22)

5.2 Changing between Percents, Decimals and Fractions

5.3B Solving percents using a proportion

5.3A Solving percents using an equation Homework Due 2/26

February 22—Review Homework (5.2-5.3A/B)

5.4 Solving Applied percent problem

5.5 Solving commission, percent of increase or decrease and  
interest problems Homework Due 2/26

\*Review for Exam #1 (Sections:3.5-3.7; 4.1-4.3;5.1-5.5)

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February 27— **Exam #1** (Sections: 3.5-3.7; 4.1-4.3;5.1-5.5)

9.1 Addition of Signed Numbers

9.2 Subtraction of Signed Numbers Homework Due 3/4

February 29—Review 9.1-9.2

9.3 Multiplication and Division of Signed Numbers

Homework Due 3/4

March 5— **Quiz #2** (Sections: 9.1-9.3)

9.4 Order of Operations with Signed Numbers

6.4 Converting units of Measure

7.5 Square Roots

Homework Due 3/11

March 7—

10.1 Variables and Like Terms

Review for Exam #2 (Sections:6.4,7.5,9.1-9.4, 10.1)

Homework Due 3/11

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March 12—**Exam #2** (Sections:6.4,7.5,9.1-9.4)

10.2 The Distributive Property

Homework Due 3/18

March 14--10.3 Solving Equations using the Addition Property

Homework Due 3/18

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March 19—Review for Final Exam

March 21--**FINAL EXAM** 12-1:50 pm

**CONGRATUATIONS!**

**This is the day that you will successfully complete Math 187B....**