

MAT 187A
Basic Arithmetic
Winter 2012

Monday/Wednesday: 1-3:30 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. 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 # palley59696 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

Course Description The purpose of this course is to teach students the skills of basic Arithmetic; in particular we will cover whole numbers, fractions, and an introduction to decimals. 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 is an extended version of Math 187A in which we will include a component of study skills to assist you in being successful in this math class and others which you will take in the future.

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.
4. Apply study skills learned in this class to studying in the class.

Grading Policy Method of Student Evaluation

• Homework (Online, 21 sections, 4 points each)	84
• Study Skills Component (16 points)	16
• 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 details, 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 Exams and the Final, make-up is possible if the instructor is **contacted in advance and the absence is excused** 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**

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, 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 187A**

January 4--Introduction/Review Syllabus

1.1 Understanding Whole Number

1.2 Addition of Whole Numbers

1.3 Subtraction of Whole Numbers Homework Due 1/8

January 9--1.4 Multiplication of Whole Numbers

1.5 Division of Whole Numbers

1.6 Exponents and Order of Operations Homework due 1/11

January 11--1.7 Rounding and Estimation

1.8 Applied Problems

Quiz #1(1.1-1.6) Homework Due 1/15

January 16—MKL Holiday

2.1 Understanding Fractions

2.2 Simplifying Fractions Homework Due 1/22

January 18 - Review for Exam #1 and 2.1-2.2

2.3 Improper Fractions and Mixed Numbers

2.4 Multiplication of Fraction and Mixed Homework Due 1/22

January 23—**Exam #1** (1.1-1.8)

Review for Quiz #2

2.5 Division of Fractions and Mixed Numbers

2.6 The Least Common Denominator Homework Due 1/29

January 25—2.7 Addition and Subtraction of Fractions

2.8 Combining Mixed Numbers and Order of Operations

Quiz #2 (Sections 2.1-2.4) Homework Due 1/29

January 30—2.9 Applied Problem Involving Fractions

Review for Chapter 2 Exam

Homework Due 2/5

February 1— **Exam #2** (2.1-2.8)

3.1 Decimal Notation

3.2 Comparing, Ordering & Rounding Decimal Homework Due 2/5

***Turn in Study Skills Assignment** (A half page summary of your meeting with a counselor will be due on February 6, for 16 points)

February 6—Study Skills Assignment is **DUE**

Review for Final Exam (Chapters 1,2 and Sections 3.1 to3.4)

3.3 Addition and Subtraction of Decimals

3.4 Multiplication of decimals

Homework Due 2/7

February 8-- **Final Exam** (Chapters 1,2 and Sections 3.1 to3.4)

***Study Skills assignment: Individual Counseling (16 points)**

What to do

- a) Make an appointment to meet with a counselor.
- b) After your appointment, you will need to write a half-page summary of your meeting with the counselor regarding what was the most and the least helpful information that you received. **Due on February 6, 2012.**

BE SURE THAT YOU ARE REGISTERED FOR MATH 187B WHICH WILL BEGIN THE NEXT WEEK ON FEBRAURY 13, 2012.