MAT 187A/B – BASIC ARITHMETIC
Section 4 Winter 2015

Course ID	Room	Unit	Days	Start Time	End Time
MAT 187A	A206	2.5	M, W	11:00 AM	1:25 PM
MAT 187B	A206	2	M, W	11:00 AM	12:55 PM

INSTRUCTOR: Wynn Walker

E-MAIL: wlwalker326@gmail.com

OFFICE HOURS: outside of math success center
Monday and Wednesday 1:30PM – 2:30PM Math Success Center
Tuesday and Thursday 2:00PM-3:30PM Math Success Center
OR BY APPOINTMENT

TEXTBOOK (OPTIONAL): *Basic College Mathematics*, by Tobey & Slater, **7**th Edition **(New 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 website: www.mymathlab.com
Mat187A course id is walker54128
Mat187B course id is walker61507
For assistance call 1-800-677-6337, Mon – Fri 12:00 PM to 8:00 PM EDT
Online assistance is available 24 hours every day at:
http://247pearsoned.custhelp.com

COUSE 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 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 is actually <u>two six-week classes</u> (each receiving its own grade):
- ➢ **<u>Math 187A</u>** covers whole numbers, fractions, and an introduction to decimals.
- ➢ **<u>Math 187B</u>** 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).
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. Perform arithmetic operations with whole numbers, fractions, and decimals.
2. Translate written language into mathematical statements.
3. Apply the concepts in the course to real-life situations.
4. Apply study skills learned in this class to studying in this class.

GRADING POLICY: Method of Student Evaluation
<u>Mat187A</u>

Homework (Online, 21 sections, 4 points each)	30%
Study Skills Component: 50 points	5%
Quizzes (Two, Online: 10 points each)	15%
Exam 1: 150 points	15%
Exam 2: 150 points	15%
Final (200 points: Covers entire course content)	20%

<u>Mat187B</u>

Homework (Online, 22 sections: 4 points each)	30%
Quizzes (Three, Online: 10 points each)	15%
Exam 1: 150 points	15%
Exam 2: 150 points	15%
Final (250 points: Covers entire course content)	25%

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%

CHECKING YOUR GRADE ONLINE: You can check your grade at any time in MyMathLab where you will be doing your homework. I will drop a student from the class if the student misses two classes or more and is unable to keep up with the learning.

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.

QUIZZES: Quizzes will be taken online in MyMathLab. You can take each quiz up to three times, and the highest score will be used. Before you take the quiz, make sure that you have done your homework for the sections covered in the quiz, read the appropriate sections in the textbook, looked at the video(s), and received assistance from either the computer, or your instructor on any difficult topics. 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 3x5 notecard front and back, for exams and the final.

MAKE-UP POLICY: For **exams**, make-up is possible if the instructor is **contacted in advance and the absence is excused**; No exams may be taken after their scheduled time. If a student will be unable to take an exam at the scheduled time, he or she must take the exam prior to the scheduled time. Students must contact the instructor in advance of the examination in order to arrange a time to take any exam early. THE FINAL MUST BE TAKEN AT THE SCHEDULED TIME.

ATTENDANCE POLICY: Students who miss more than two classes during the first two weeks of class will be dropped from the course.

COMMUNICATION POLICY: You can communicate with me either by coming to class or office hours, or sending an e-mail. If you miss the class, it is your responsibility to pick up the class handouts or obtain the information either from your classmates or from me during the office hours.

- I have students work together to help each other. Please feel free to ask me directly if you like to work with me one-on-one.

- **Please come see me if you do not understand my policies.**

LEARNING DISABILITIES: 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 CLASS:
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.

Tentative Lecture Schedule for Math 187A

Study Skills Assignment: Individual Counseling. Due February 4, 2015.
a. Make an appointment for one hour to meet with any counselor.
b. After your appointment, you need to write a half-page summary of your meeting with a counselor of what was most and least helpful about the counseling appointment. Turn this summary to me by February 4. Be sure to turn in your report **TYPED**.

Date	Section	Topic
Jan 5		Introductions & Syllabus
	1.1	Understanding Whole Numbers
	1.2	Addition of Whole Numbers
	1.3	Subtraction of Whole Numbers
		MyMathLab
Jan 7	1.4	Multiplication of Whole Numbers
	1.5	Division of Whole Numbers
	1.6	Exponents and Order of Operations

Online Homework (Sections 1.1 -1.6) and online quiz 1 (1.1-1.6) due January 11th at 11:59PM

Date	Section	Topic
Jan 12	1.7	Rounding and Estimation
	1.8	Applied Problems
	2.1	Understanding Fractions
Jan 14	2.2	Simplifying Fractions
		Review for Exam 1

Online Homework (Sections 1.7 -2.2) due January 18th at 11:59PM

Date	Section	Topic
Jan 19		Martin Luther King Day Holiday
Jan 21		Exam 1 (Sections 1.1 – 1.8) (1 hour)
	2.3	Improper Fractions and Mixed Numbers

Online Homework (2.3) due January 25th at 11:59PM

Date	Section	Topic
Jan 26	2.4	Multiplication of Fractions and Mixed Numbers
	2.5	Division of Fractions and Mixed Numbers
	2.6	The Least Common Denominator
Jan 28	2.7	Addition and Subtraction of Fractions
	2.8	Combining Mixed Numbers and Order of Operations

Online Homework (2.4-2.8) and online quiz 2 (2.1-2.5) due February 1 at 11:59PM.
Study Skills Assignment Due February 2

Date	Section	Topic
Feb 2	2.9	Applied Problems involving Fractions
		Review for Exam 2
Feb 4		Exam 2 (Sections 2.1 – 2.9) (1 hour)
	3.1	Decimal Notation

Online Homework (Sections 2.9, 3.1) due February 8th at 11:59PM

Date	Section	Topic
Feb 9	3.2	Comparing, Ordering and Rounding Decimals
	3.3	Addition and Subtraction of Decimals
	3.4	Multiplication of Decimals
		Review for Final Exam

Online Homework (Sections 3.2-3.4) due February 10th at 11:59PM

Date	Section	Topic
Feb 11		Final Exam (Chapters 1, 2, 3.1-3.4)

Tentative Lecture Schedule for Math 187B

Date	Section	Topic
Feb 16		Presidents Day Holiday
Feb 18	3.5	Division of Decimals
	3.6	Converting Fractions to Decimals and Order of Operation
	3.7	Applied Problems Involving Decimals

Online Homework 3.5-3.7 due February 22 at 11:59 PM

Feb 23	4.1	Ratios (Read this section, no homework
	4.2	Proportions
	4.3	Solving Proportions
	5.1	Understanding Percent
Feb 25	5.2	Changing between percents, decimals and fractions
	5.3B	Solving percents using a proportion
	5.3A	Solving percents using an equation

Online Homework 4.2 – 4.3, 5.1,5.2, 5.3, and quiz 1 (3.5-3.7, 4.2-4.3) due March 1 at 11:59 PM

Mar 2	5.4	Solving applied percent problems
	5.5	Solving commission, percent of increase or decrease, and interest problems
Mar 4	9.1	Addition of signed numbers
	9.2	Subtraction of signed numbers
		Review for Exam 1

Online Homework 5.4, 5.5, 9.1, 9.2, and quiz 2 (5.1-5.5) due March 8 at 11:59 PM

Mar 9		Exam 1 (3.5-3.7, 5.1-5.5) (1 hour)
	9.3	Multiplication and Division of signed numbers
Mar 11	9.4	Order of Operations with signed numbers
	6.4	Converting units of measure
	7.5	Square roots

Online Homework 9.3, 9.4, 6.4, 7.5, and quiz 3 (9.1-9.4) due March 15 at 11:59 PM

March 16	10.1	Variables and Like terms
		Review for Exam 2
March 18	Exam 2	
	10.2	The distributive property
	10.3	Solving equations using the addition property

Online Homework 10.1-10.3 due March 22 at 11:59 PM

March 25   Final Exam 11:00- 12:50 **(NOTE THE DIFFERENT TIME)**
                     (Covers Sections 3.5-3.7, 5.1-5.5, 6.4, 7.5, 9.1-9.4, 10.1-10.3)