BASIC COLLEGE MATH (Part I)
Math 187A
Fall 2011 2.5 units

INSTRUCTOR: Cindy Littell **E-MAIL:** ltcc.littellc@gmail.com

MEETING TIMES: **Tuesday & Thursday** **3:30pm – 5:55pm**

MEETING PLACE: **Room A206**

TEXT (OPTIONAL): Basic College Mathematics, 7th Ed, by Tobey and Slater.

ONLINE CODE: littell78823

REQUIRED SOFTWARE LICENSE: The text is optional, but its software is not. The homework is all done online and requires a software code to set up your MyMathLab account. This can be purchased at the bookstore or at the website, with the book or independently. You will use the ONLINE CODE to sign up for this class's homework.

Course Description: The purpose of this course is to teach students the skills of basic Arithmetic; we will cover whole numbers, fractions, and an introduction to decimals. In this class, we will re-introduce you to the language of math, to understand the relationship of numbers to life to help you to apply math to "real life" problems. This extended version of Math 187A includes a study skills component (.5 units) to assist you in being successful in this math class and others that you will take in the future.

Accommodations for Students with Disabilities: Students requiring accommodations for a disability that may affect class performance are required to inform their instructor, and requested to schedule with a staff member at the DRC to discuss this, during the first week of the quarter so that appropriate arrangements can be made. The DRC only tests and accepts new students to the program during the first two weeks of each quarter, so don't put it off.

The **Math Success Center** has free tutoring for all registered students. Please Log In and Out so that the facility gets the funds it needs to continue being there to help you. The schedule for tutors will be published in the first weeks of each quarter.

As a Courtesy to everyone in class, please turn off your cell phones. Thank you.

Attendance and Etiquette: As a college student, you have voluntarily signed up for approximately 16 hours of Math a week this quarter. It is therefore important to remind you that missing four classes will result in being dropped for non-attendance. Our time in class is a time of learning and is to be respected as such; therefore, disruptive behavior will not be tolerated. A two-class expulsion will be applied for any disruptive behavior.

How to succeed in a Math class:
1. Come to **every** class meeting.
2. Arrive early, be prepared, and **take notes**.
3. **Ask questions**, especially if you don't understand a concept.
4. Do **more than just** the homework problems.
5. Take advantage of the free **tutoring service in the MSC and my hours as your tutor**.
6. Study in groups and do your homework with a classmate.
7. Start preparing for exams at least one **week** in advance.
8. Do some math **every** day.

Dropping: In this class, it is your responsibility to drop the class in order to avoid an unwanted

grade. Students who fail to attend class during the first two weeks of class may be

dropped to accommodate waitlisted students.

STUDENT OUTCOMES:

The successful student in Mat 187A will be able to:

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: Your class letter grade will be based on the grading scale:

A: 90% and above, **B:** 80-89%, **C:** 70-79%, **D:** 60-69%, **F:** 59% and under
(810-900pts)   (720-809)   (630-719)   (540-629)   (< 540pts)

Homework (21 @ 10pts)	**210 points**
In Class Exercises (21 @ 10pts)	**210 points**
Counselor Meeting Paper	**180 points**
Tests (2 @ 100pts)	**200 points**
Comprehensive Final Exam:	**200 points**
Total	**1000 points**

Homework: All homework is done online. All assignments are posted, graded, and due dates listed online. Homework for any section in lecture is to be done before the next class meeting.

In Class Exercises: Each class we will have In Class Exercises you will work as a group and turn in that class. Each sections In Class Exercises will be worth up to 10 points. *There is no making up the In Class Exercises.*

Counselor Meeting Paper: During this six weeks, meet with a counselor. A one to two page paper discussing that meeting and the effectiveness of that meeting is due by the final on Oct. 29th.

Tests: Tests are to be taken on the date scheduled unless you have a medical emergency. In such an event, please notify me as soon as possible to make arrangements. If you are unable to take the exams at the scheduled time due to a family event already scheduled, you will need to email me a request at least one week in advance stating why you need to take the exam early. Late tests will receive a 10% point reduction per class meeting. The final may not be taken late due to the need to file grades for continuing in MAT187B.

Calculators are not allowed during testing. Please practice and do the homework without them.

Academic Integrity:
Homework may be done in groups with other students or with the help of the instructor or tutors, but each student must turn in their own work. Quizzes and Tests must be done by the student alone. Any Student who violates this rule will receive a zero on the Quiz or Test. A second infringement will result in a failing grade and possible academic expulsion.

<u>**TENTATIVE~LECTURE~SCHEDULE**</u>

<u>Date</u>	<u>Section</u>	<u>Topic</u>
T 9/22		Introductions & Syllabus
	1.1	Understanding Whole Numbers
	1.2	Addition of Whole Numbers
	1.3	Subtraction of Whole Numbers
Th 9/24	1.4	Multiplication of Whole Numbers
	1.5	Division of Whole Numbers
	1.6	Exponents & Order of Operations
T 9/29	1.7	Rounding and Estimation
	1.8	Applied Problems
		Review Chapter 1

Th Oct. 1		**Test #1 - Chapter 1**
	2.1	Understanding Fractions
T 10/6	2.2	Simplifying Fractions
	2.3	Improper Fractions & Mixed Numbers
Th 10/8	2.4	Multiplication of Fractions & Mixed Numbers
	2.5	Division of Fractions & Mixed Numbers
T 10/13	2.6	The Least Common Denominator
	2.7	Addition & Subtraction of Fractions
Th 10/15		**Test #2-2.1 through 2.7**
	2.8	Combining Mixed Numbers & Order of Operations
T 10/20	2.9	Applied Problems involving Fractions
	3.1	Decimal Notation
Th 10/22	3.2	Comparing, Ordering & Rounding Decimals
	3.3	Addition & Subtraction of Decimals
T 10/27	3.4	Multiplication of Decimals
		Review for Final Exam
Th 10/29		**Final Exam for Math 187AA (Chapters 1 & 2, and Sections 3.1 – 3.4)**