# BASIC COLLEGE MATH (Part I)
## Math 187A-2
### Spring 2014 2.5 units

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

**MEETING TIMES:**        **Monday & Wednesday 6:00pm – 8:25pm**

**MEETING PLACE:**        **Room A206**

**TEXT (OPTIONAL):**      Basic College Mathematics, 7th Ed, by John Tobey, Jeffery Slater, Jamie Blair, and Jennifer Crawford

**ONLINE CODE:**        littell87232

**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.*
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.

**Attendance and Etiquette:** As a college student, you have voluntarily signed up for approximately 20 hours of Math a week this spring. It is therefore important to remind you that missing four classes (two weeks of the regular quarter) 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 187AA 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** | | | | **150 points** |
| | **Daily Quizzes** | | | | **150 points** |
| | **Study Plan** | | | | **150 points** |
| | **Exams** | | | | **300 points** |
| | **Comprehensive Final Exam:** | | | | **250 points** |
| | **Total** | | | | **1000 points** |

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

**Daily Quizzes:** Each class will begin with a five minute quiz from 6pm to 6:05pm. Quizzes will contain questions from the homework, the Study Plan, and lectured study techniques.

**Study Plan:** Please remember to do the study plan prior to the lecture for those sections. Part of your score will be from a typed one page paper describing your meeting with a counselor due by the review for the final. In the meeting you need to discuss methods for academic success including weekly schedules and study habits.

**Exams:** The exams will be the first hour of class and cover the sections from the previous weeks between exams. Your score will be out of 150 possible points. Tests may be taken early without penalty as long as you officially notify me at least one week in advance of the date you need to take the test in writing by email. **Tests may NOT be taken late without a valid excuse, will receive a 10% deduction in score per *school-day* late, and must be made up by the Thursday of the next week.** The final may not be taken late due to the need to file grades for continuing in MAT187B.

# TENTATIVE~LECTURE~SCHEDULE

| Date | Section | Topic |
|------|---------|-------|
| M 4/7 | | Introductions & Syllabus |
| | 1.1 | Understanding Whole Numbers |
| | 1.2 | Addition of Whole Numbers |
| | 1.3 | Subtraction of Whole Numbers |
| W 4/9 | 1.4 | Multiplication of Whole Numbers |
| | 1.5 | Division of Whole Numbers |
| | 1.6 | Exponents & Order of Operations |
| M 4/14 | 1.7 | Rounding and Estimation |
| | 1.8 | Applied Problems |
| | 2.1 | Understanding Fractions |
| W 4/16 | 2.2 | Simplifying Fractions |
| | | Review for Exam One (1.1-2.2) |
| **M 4/21** | | **Exam One (1.1-2.2)** |
| | 2.3 | Improper Fractions & Mixed Numbers |
| W 4/23 | 2.4 | Multiplication of Fractions & Mixed Numbers |
| | 2.5 | Division of Fractions & Mixed Numbers |
| | 2.6 | The Least Common Denominator |
| M 4/28 | 2.7 | Addition & Subtraction of Fractions |
| | 2.8 | Combining Mixed Numbers & Order of Operations |
| W 4/30 | 2.9 | Applied Problems involving Fractions |
| | | Review for Exam Two (2.3-2.9) |
| **M 5/5** | | **Exam Two (2.3-2.9)** |
| | 3.1 | Decimal Notation |
| W 5/7 | 3.2 | Comparing, Ordering & Rounding Decimals |
| | 3.3 | Addition & Subtraction of Decimals |
| | 3.4 | Multiplication of Decimals |
| M 5/12 | | Review for Final Exam |
| **W 5/14** | | **Comprehensive Final Exam for Math 187A (Chapters 1 & 2, and Sections 3.1 – 3.4)** |