

# **Welcome to Basic College Mathematics: Math 105!!**

Dear Student,

I, Farrah Esmaeili, your Math 105 teacher for the Fall semester of 2015, am thrilled to have you as a student! I am on your side and I really want you to learn Math 105 so well that you can successfully move on to the next level and beyond!

Below you will find valuable information that will help you succeed in this Basic College Mathematics class. Be sure to read it carefully, and consult it throughout the semester. Remember that the information in it is subject to change, so it is up to you to keep up with any changes by coming to class regularly and staying in touch with your classmates and me. The syllabus begins with the best ways to stay in touch with me - my email address and my office hours:

Instructor: Farrah Esmaeili

Email: [enjoylearningmath@yahoo.com](mailto:enjoylearningmath@yahoo.com) OR : [esmaeif@wlaac.edu](mailto:esmaeif@wlaac.edu)

Classroom: MSA 202

Office Hours: M W 2:30pm - 2:40pm

Prerequisite: None

## Required Text

a) Access to *XYZ Homework & E-book* –\$40 for new students, purchased online or bookstore (see handout for instructions)

b) Fall 2015 Math 105 Workbook -- purchased at Bookstore only (about \$22.00)

No Calculator ( no cells or graphing calculators are allowed on any assessments in class)

**COUSE DESCRIPTIONS:** This course is designed to give the student an understanding of and a competency in the basic operations of elementary arithmetic. Topics include operations with whole numbers, common and decimal fractions, percentages, and simplified calculations.

## **IMPORTANT DATES:**

Refund and Add Deadline, September 8<sup>th</sup>

Last days to drop without a "W", September 8<sup>th</sup>

Last day to drop with a "W", October 9<sup>th</sup>

Final Exam, December 14<sup>th</sup>

**ATTENDANCE:** We have a lot of material to cover and understand, so regular attendance is crucial to your success in the class. Please come on time and stay for the duration of the class. If you cannot attend regularly, on time, and stay for the entire class; you should take this class at another time that fits your schedule. Students arriving late or leaving early, without authorization from the instructor may be marked tardy. Three recorded tardies will count as one

absence. Excessive absences (2 or more prior to the drop deadline) may result in being dropped from the class. However, it is your responsibility to drop the class if you stop attending.

**EXAMS:** There will be 4 tests worth 55% of your grade in the class. Don't miss them! **NO MAKE-UP TESTS WILL BE GIVEN!** If you know in advance that you will miss an exam, then it is possible to arrange to take it in advance, but no exam will be given after the class has taken it. The final exam score may replace the first missed exam.

**QUIZZES:**

- Quizzes will be given weekly throughout the semester in class or online. Roughly 10 problems from previously discussed lecture and/or homework will be on each quiz.
- **Do not miss them! No makeup quizzes will be given under any circumstances**

**CLASSROOM CONDUCT:**

- I like my classes to have a fun, encouraging environment. I expect you to come to class with a commitment to learn, take good notes and participate in discussions and classwork. I like group learning in my class. I expect my students to work together and encourage each other.
- All students are expected to arrive on time and stay for the duration of the class period. Late arrivals are disruptive to both the lecturer and students.
- Do not talk in class while lecture is in progress. Talking to the person next to you disrupts the whole class. Respect other students who have questions.
- Penalties for cheating range from a zero on an exam to dismissal from the course and/or the College. You should review College's policy on academic dishonesty outlined in the schedule of classes.
- No guests are allowed in class.

**Course Objectives:** Upon completion of this course the student will be able to:

- A. Add, subtract, multiply, and divide whole numbers, fractions and decimals.
- B. Calculate numbers raised to the powers of 2, 3, or 4.
- C. Use the order of operations to simplify numerical expressions involving two or more operations.
- D. Simplify numerical expressions with positive integer coefficients.
- E. Reasonably estimate the answer to a numerical problem.
- F. Solve application problems (up to two steps).
- G. Solve proportion and percent problems.
- H. Apply the ability to find prime factorizations of numbers and the ability to find the Least Common Multiple when working with fractions.
- I. Convert between percent, decimal and fraction notation.

**Grading System:**

Test scores	55%
Homework assignments	10%
Classwork and online quizzes	10%
Final Exam	25%

## GRADING SCALE:

90%-100%	A
80%-89%	B
70%-79%	C
60%-69%	D
59% and below	F

**MATH LAB/GETTING HELP:** I would like to encourage you to take advantage of my office hours. Learning Resource Center offers daily free tutoring and is located in the Library. To enhance your chances of success in this course make a commitment to spend at least 8 hours on course material per week outside class time, come to class daily, participate, keep an open mind, and stay positive.

**STUDENTS WITH DISABILITIES:** Students with disabilities who believe they may need accommodations in this class are encouraged to contact Disabled Students Programs and Services located in SSB 320 (phone 310-287-4450) immediately to improve the chances that such accommodations can be implemented in a timely manner. The instructor will do everything possible to comply with ADA and all other mandates.

### STUDENT LEARNING OUTCOMES (SLOs):

- Use rounding and estimation in applications of arithmetic.
- Add, subtract, multiply, and divide fractions and mixed numbers and decimal numbers.

Cheating in any form will not be tolerated. Students are expected to abide by the West Los Angeles College Academic Honor Code. Anyone caught cheating will receive a score of zero and will be reported to the College Disciplinarian.

### Keys to success:

Spending more time on material from class and explaining concepts to other students in class is an excellent way of achieving success. Ask questions, answer questions, talk to other students in class, form study groups outside of class, and always remember to ponder beyond what we discuss in class! Next, remember to keep an open mind. A big part of learning and understanding mathematics is believing that you are capable of succeeding. Always remember to have fun!!

## LECTURE OUTLINE

-----Fall 2015-----

**SUBJECT: Math 105/ MW**

**INSTRUCTOR: Farrah Esmaeili**

This schedule is tentative. It is subject to change.

Week 1	8/31 Introduction; 1.1	9/1	9/2 1.2-1.3	9/3
Week 2	9/7 <i>LABOR DAY</i>	9/8	9/9 1.4-1.5	9/10
Week 3	9/14 1.6-1.7	9/15	9/16 Review	9/17
Week 4	9/21 <b>Test-1/ CH 1</b>	9/22	9/23 2.1-2.2	9/24
Week 5	9/28 2.2-2.3	9/29	9/30 2.4	10/1
Week 6	10/5 3.1-3.2	10/6	10/7 3.3	10/8
Week 7	10/12 3.4-3.5	10/13	10/14 Review	10/15
Week 8	10/21 <b>Test-2/ CH 2-3</b>	10/22	10/23 4.1-4.2	10/24
Week 9	10/26 4.3	10/27	10/28 4.4-4.5	10/29
Week 10	11/2 Review	11/3	11/4 <b>Test-3/ CH 4</b>	11/5
Week 11	11/9 5.1-5.2	11/10	11/11 <i>VETERANS DAY</i>	11/12
Week 12	11/16 5.3-5.4	11/17	11/18 5.5-5.6	11/19
Week 13	11/23 Review	11/24	11/25 6.1-6.2	11/26 <i>THANKSGIVING</i>
Week 14	11/30 6.3-6.4	12/1	12/2 Review	12/3
Week 15	12/7 <b>Test-4/ CH 5&amp;6</b>	12/8	12/9 Review for Final	12/10
Week 16	12/14 <b>FINAL EXAM 1:45pm-3:45pm</b>	12/15	12/16	12/17

This course requires an online homework account with

## **XYZ Homework**

### **I DO NOT have an XYZ Homework account:**

If you do not have an XYZ Homework account, the cost is \$40. Registration does not require payment. Payments need to be made online within the 15-day grace period. Your XYZ Homework subscription will be active for 12 months.

1. Register for an account at **[www.xyzhomework.com](http://www.xyzhomework.com)**
2. Log into your account at **[www.xyzhomework.com](http://www.xyzhomework.com)**
3. Select **Enroll in a new course.**
4. Enter the XYZ Course ID 7227 (given to you by your instructor).
5. **Use the link at the bottom of your homepage to active your XYZ Homework account anytime within 15 days.**

### **I have an XYZ Homework account:**

If you have taken a course requiring XYZ Homework in the past 6 months, your account is still active. There is no additional charge for enrolling in more than one course during the 12 month subscription. An additional 12 months can be purchased directly from the publisher for on \$15.

1. Log into your account at **[www.xyzhomework.com](http://www.xyzhomework.com)**
2. Select **Enroll in a new course.**
3. Enter the XYZ Course ID 7227 (given to you by your instructor).

### **Need additional help?**

Please contact us at **[support@xyzhomework.com](mailto:support@xyzhomework.com)**

# Battling Math Anxiety

Confidence + Preparation = Success

Math gets more challenging when you are in college, and it is easy to feel overwhelmed. Here are some tips for approaching this subject:

## **Develop a Positive Attitude**

Perhaps one of the most important ways that you can do better is simply by having a positive attitude. Don't sell yourself short by saying things like, "I can't do math; I am no good at math." If you believe you can do it, you will be able to do it!

## **Ask a Lot of Questions**

There's nothing embarrassing about wanting to get some clarification. It may not even be a matter of you not getting something. It may be a matter of the teacher not explaining it fully.

## **Don't Fall Behind**

You're building on a base of skills and concepts. If you miss something early on, it gets harder to catch up later. Plus, to take the next level of courses in math or science, you need to master the concepts to be successful.

## **Get a Tutor**

Use the math lab or tutoring centers and resources on campus for help. Ask your instructor for advice or a recommendation.

## **Build Your Confidence**

When you do your homework, start with easier problems or problems you know you can do. That will give you confidence to approach more difficult problems.

## **Show Your Work**

It's tempting to skip steps, but it's better to get into the habit of showing all of your work. That way, it's easier to correct mistakes. Plus, you may get partial credit.

## **Don't Ignore Your Wrong Answers**

While accuracy is always important, a wrong answer can tell you to look further and see if you really understood the question.

## **Don't Be Afraid to Ask for Help**

Falling behind or getting frustrated can lead to a feeling of, "why bother." Don't let it. Ask for help.

# 7 Ways to get A's

## **Spend enough time studying**

Schedule your study time to ensure that you study 2 hours outside of class for every one hour you spend in class each week (12 credits = 12 hours in class/week = 24 hours studying outside of class/week). Make a weekly class/study schedule and follow it!

## **Review what you are learning**

Spend 5 minutes every day to review class notes, do weekly reviews of each subject. Review the material prior to class and review your notes after class.

## **Stay on Track**

Keep up with your studying and class assignments. Do all of your homework and turn in all assignments. Try to stay 1-2 chapters ahead in your textbooks and definitely don't fall behind, it is stressful and almost impossible to catch up. Most importantly – attend class!

## **Plan your study time**

Take a few minutes to plan your study time, review what you want to accomplish and get to it. Study 30-45 minutes then take a short 5 minute break. A short break does wonders for the concentration. Don't check your email or phone messages – it will be harder to get back to studying and stop your momentum.

## **Use study groups**

Study groups help you gain a better understanding of what you are learning in your classes. Participating in a study group gives you the opportunity to discuss class material, clarify areas of confusion, compare class notes, and gain different perspectives on class material. Most importantly, you will be motivated to stay up to date with your class assignments and spend more time to studying. Ask 3-5 students in your class to form a study group then schedule weekly study group sessions.

## **Don't multitask while studying**

When you study, do just that – study! Studying while doing two things at once such as sending instant messages (multitasking) makes your studying less effective. This type of studying makes the information you are learning harder to remember later on, especially during tests.

## **Ask questions, get assistance**

Ask questions. Get help before there is a problem; talk with your instructor, use the campus labs and tutors. Always get assistance if there is a problem – never try to do everything by yourself. There are many campus resources designed to support your college success; find out what they are and use them!

## WEEKLY SCHEDULE

	SUN	MON	TUES	WED	THURS	FRI	SAT
6:00 AM							
7:00 AM							
8:00 AM							
9:00 AM							
10:00 AM							
11:00 AM							
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## Multiplication Tables

$1 \times 1 = 1$	$2 \times 1 = 2$	$3 \times 1 = 3$	$4 \times 1 = 4$	$5 \times 1 = 5$
$1 \times 2 = 2$	$2 \times 2 = 4$	$3 \times 2 = 6$	$4 \times 2 = 8$	$5 \times 2 = 10$
$1 \times 3 = 3$	$2 \times 3 = 6$	$3 \times 3 = 9$	$4 \times 3 = 12$	$5 \times 3 = 15$
$1 \times 4 = 4$	$2 \times 4 = 8$	$3 \times 4 = 12$	$4 \times 4 = 16$	$5 \times 4 = 20$
$1 \times 5 = 5$	$2 \times 5 = 10$	$3 \times 5 = 15$	$4 \times 5 = 20$	$5 \times 5 = 25$
$1 \times 6 = 6$	$2 \times 6 = 12$	$3 \times 6 = 18$	$4 \times 6 = 24$	$5 \times 6 = 30$
$1 \times 7 = 7$	$2 \times 7 = 14$	$3 \times 7 = 21$	$4 \times 7 = 28$	$5 \times 7 = 35$
$1 \times 8 = 8$	$2 \times 8 = 16$	$3 \times 8 = 24$	$4 \times 8 = 32$	$5 \times 8 = 40$
$1 \times 9 = 9$	$2 \times 9 = 18$	$3 \times 9 = 27$	$4 \times 9 = 36$	$5 \times 9 = 45$
$1 \times 10 = 10$	$2 \times 10 = 20$	$3 \times 10 = 30$	$4 \times 10 = 40$	$5 \times 10 = 50$
$6 \times 1 = 6$	$7 \times 1 = 7$	$8 \times 1 = 8$	$9 \times 1 = 9$	$10 \times 1 = 10$
$6 \times 2 = 12$	$7 \times 2 = 14$	$8 \times 2 = 16$	$9 \times 2 = 18$	$10 \times 2 = 20$
$6 \times 3 = 18$	$7 \times 3 = 21$	$8 \times 3 = 24$	$9 \times 3 = 27$	$10 \times 3 = 30$
$6 \times 4 = 24$	$7 \times 4 = 28$	$8 \times 4 = 32$	$9 \times 4 = 36$	$10 \times 4 = 40$
$6 \times 5 = 30$	$7 \times 5 = 35$	$8 \times 5 = 40$	$9 \times 5 = 45$	$10 \times 5 = 50$
$6 \times 6 = 36$	$7 \times 6 = 42$	$8 \times 6 = 48$	$9 \times 6 = 54$	$10 \times 6 = 60$
$6 \times 7 = 42$	$7 \times 7 = 49$	$8 \times 7 = 56$	$9 \times 7 = 63$	$10 \times 7 = 70$
$6 \times 8 = 48$	$7 \times 8 = 56$	$8 \times 8 = 64$	$9 \times 8 = 72$	$10 \times 8 = 80$
$6 \times 9 = 54$	$7 \times 9 = 63$	$8 \times 9 = 72$	$9 \times 9 = 81$	$10 \times 9 = 90$
$6 \times 10 = 60$	$7 \times 10 = 70$	$8 \times 10 = 80$	$9 \times 10 = 90$	$10 \times 10 = 100$

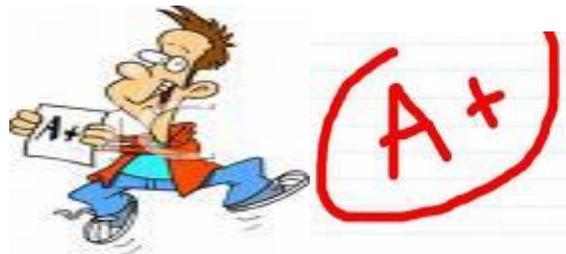
# Math 105 Club

I welcome ALL students to Math 105 Club. Members of the club will participate in the following activities:

- Collaborative learning activities
  - Review previous material
- Earn extra credit and MORE....

## WHEN, WHAT TIME, WHERE

To be announced



I have found when students participate in the Math Club and follow my new teaching techniques, 80% of students pass the Math 105 course.

Good Luck!

