Math 081  
Summer 2012

Instructor: Barbara Goldner  
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Text:  Basic College Mathematics with Early Integers (2nd Edition) by Elayn Martin-Gay
Prerequisite: none

My Website:  http://facweb.northseattle.edu/bgoldner/

Course Website:  http://pearsonmylabandmastering.com/

Course Objective:
The objective of this course is to lay the foundation of arithmetic by focusing on the skills and its wide range of interesting applications. Each student shall be required to read and do mathematics since only by reading and doing will you understand technical matters in later courses and the world at large. Four dimensions of understanding are emphasized: skill in carrying out various algorithms, developing and using mathematical properties and relationships, applying mathematics in realistic situations and representing or picturing mathematical concepts.

Accessing Course:
For login instructions and to access the course, be sure to go to my website and follow the instructions carefully: http://facweb.northseattle.edu/bgoldner/. The course ID is: goldner22325

Textbook:
With the purchase of the access code, the program comes with an electronic book. Unless you want a hardcopy of the book, there is no need to purchase one. Solutions manual and answers to the odd problems are all included in the electronic book.

When you get into our program called “Mylab,” you will find some sections in different order. I have arranged the chapters in the order the class is going. You can find that ordering in the class calendar at the end of this document.

Study Plan:
Learning mathematics is not a spectator sport. It is a process and does not come all at once. You need to be patient, persevere, ask questions, discuss ideas with classmates and seek help right away when needed. At least 2 hours each day need to be spent in studying math.

“Study Plan” are exercises done on the computer. There is no time limit. Your grade is based on the amount of work completed. You need to complete at least 75% of the assigned study plan exercises in order to pass the class.
There are many "help" opportunities available for the exercises such as "Help Me Solve This", "View an Example", etc. Some may even contain a video clip or animation. Go ahead and click those buttons if you need extra help. The exercise number also corresponds to the exercise number in your text but the problem may be slightly different. If the different “help” features are not useful, you can always click “Ask My Instructor.” The actual problem and your solution will be emailed to me and I will try to respond as quickly as I can.

Quizzes:
There will be a quiz after each week. You may access each quiz for 48 hours and will have a time limit of 60 minutes per quiz. **Note the quiz dates on the calendar. There are no make-up quizzes and no allowances for missed quizzes.** Be sure to submit the quiz by the due date otherwise it becomes a zero. Quiz average must be at least 75% in order to pass the class.

Midterm and Final Exam:
There will be 2 on-campus midterms and an on-campus final test. You need to get at least a 70% on each test in order to pass the class. If you do not get at least a 70% on either of the first two tests, you have one opportunity for a make-up test. Make-up tests have to be taken before the final exam date. There is no make-up test for the final.

Note the scheduled test dates. If you are unable to take the test on-campus during the scheduled date and time, please contact me at least one week in advance to make alternate testing arrangements. Otherwise, I expect you to be on-campus for the exams.

The first midterm is a closed book, no notes, and no calculator exam. For the second midterm, calculator is allowed on the second half (the first half, on fractions, is without a calculator). For the final exam, a full-page of notes handwritten on the back of the Conversion and Formula Handout are allowed. For a portion of the last test you will be allowed a calculator, but part is without.

Grading:
As long as you have completed at least 75% of the study plan, earned an average of 75% on the quizzes, and earned at least 70% on each test, you will get an **S** (Satisfactory) grade for the class and may proceed to take the next math level. Otherwise, you will receive an **NC** (No Credit) grade and will have to retake Math 081.

Calculator:
A calculator is not allowed before the first test. After that, calculators will be allowed on portions of the test. **You may not use a calculator on a cell phone or other electronic device during tests.** You do not need a graphing calculator. A simple 4-function calculator (that is, those that have the +, -, x and ÷ sign) will do.
**Communication:**

The best way to reach me with questions is to email me. Realize though that I am not available 24 hours a day, 7 days a week. I will be checking email regularly Monday through Thursday. If you email me late Thursday or on Friday, Saturday, or Sunday, you will hear from me the following Monday.

**Disability:**

In my commitment to student learning, I want to support all students. Students with disabilities are encouraged to use Disability Services for support in implementing reasonable accommodations for their disabilities. If you have a disability that will affect your performance in this class and have an accommodation form from the Disability Office, please let me know.

**Math Learning Center:**

Tutoring for all math students is available in the Math Learning Center, ED 1845A. One or two elective credits can be earned by enrolling in math 089. Information on credit is available from the instructor, Pam Lippert. If you are enrolled in Math 089, please contact Pam Lippert during the first week of the quarter.

**MLC website:** http://webshares.northseattle.edu/MLC/

**Academic Dishonesty:**

Academic dishonesty in any form will not be tolerated and will result in a failing grade for the material for which the student has committed the offense of cheating. Any student found to be cheating on a test will receive a “0” grade for that test.

**Successful College Student Attributes:**

- Demonstrates intellectual engagement
  - Perceives mathematics as a way of understanding – a view that mathematics must make sense and is not a sequence of algorithms to be memorized and applied
  - Is willing to take risks and be challenged as part of the learning process
- Takes responsibility for own learning
  - Attends every class session
  - Does homework everyday
  - Seeks ways to learn the material covered in class
  - Examines and learns from own errors and seeks help when needed
  - Takes advantage of available resources such as notes, textbook, math learning center, teacher’s office hours, other students, etc.
- Perseveres when faced with time-consuming or complex tasks
  - Is convinced that effort is an important component of success in mathematics
# Math 081 Summer Class Schedule

(Take special note of quiz dates as there no allowances for missed quizzes. PRINT this page for reference.)

<table>
<thead>
<tr>
<th>Week</th>
<th>Material</th>
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| **Week 1** 6/25 – 6/29 | 1.1 – Tips for Success in Mathematics (Read ONLY)  
1.2 – Place Values, Names for Numbers, Reading Tables  
1.3 – Adding Whole Numbers and Perimeter  
1.4 – Subtracting Whole Numbers  
1.5 – Rounding and Estimating  
1.6 – Multiplying Whole Numbers and Area  
1.7 – Dividing Whole Numbers  
1.8 – An Introductions to Problem Solving  
1.9 – Exponents, Square Roots and Order of Operations |
| **Week 2** 7/2 – 7/6 | 7/2 – 7/3 *Quiz on Chapter 1 – Whole Numbers is open*  
2.1 – Introductions to Variables and Algebraic Expressions (Read upto Ex. 5)  
2.2 – Introduction to Integers  
2.3 – Adding Integers  
2.4 – Subtracting Integers  
2.5 – Multiplying and Dividing Integers  
2.6 – Order of Operations |
| **Week 3** 7/9 – 7/13 | 7/9 – 7/10 *Quiz on Chapter 2 – Integers is open*  
3.1 – Introduction to Fractions and Mixed Numbers  
3.2 – Factors and Simplest Form  
3.3 – Multiplying and Dividing Fractions  
3.4 – Adding and Subtracting Like Fractions, Least Common Denominator and Equivalent Fractions (Skip Objective D: Finding the Least Common Denominator on p. 211 including Ex. 12 – 15)  
3.5 – Adding and Subtracting Unlike Fractions |
| **Week 4** 7/16 – 7/20 | 7/11 *Midterm 1 – 5:30 – 7:30 pm covering chapters 1 & 2 room CC 3353*  
7/16 – 7/17 *Quiz on sections 3.1 – 3.5 is open*  
3.6 – Complex Fractions, Order of Operations and Mixed Numbers (Skip Objective A: Simplifying Complex Fractions on p. 233 including Ex. 1 – 4)  
3.7 – Operations on Mixed Numbers  
4.1 – Introduction to Decimals  
4.2 – Adding and Subtracting Decimals  
4.3 – Multiplying Decimals and Circumference of a Circle  
4.4 – Dividing Decimals |
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| Week 5     | **7/23 – 7/24**  
*Quiz on sections 3.6 – 4.4 is open*  

4.5 – Fractions, Decimals and Order of Operations  
4.6 – Square Roots and The Pythagorean Theorem  
6.1 – Percents, Decimals and Fractions  
6.3 – Solve Percent Problems Using Proportions  
6.4 – Applications of Percents  
6.5 – Percent and Problem Solving: Sales Tax, Commissions, Discount |
| Week 6     | **7/30 – 7/31**  
*Quiz on sections 4.5 – 4.6, & chapter 6 is open*  

5.1 – Ratios  
5.2 - Proportions  
5.3 – Proportions and Problem Solving  
9.6 – Congruent and Similar Triangles (Just Do Objective C: Finding Unknown Lengths of Sides in Similar Triangles on p. 672 including Ex. 3, 4)  
7.3 – Mean, Median and Mode |
| Week 7     | **8/6 – 8/7**  
*Quiz on Ratio and Proportion, & Statistics is open*  

5.4 – Length: U.S. and Metric Systems of Measurement (Skip Objective E: Performing Operations on Metric Systems Units of Length on p. 392 including Ex. 11 – 14)  
5.5 – Weight and Mass: U.S. and Metric Systems of Measurement (Skip Objective D: Performing Operations on Metric Systems Units of Weight and Mass on p. 405 including Ex. 9, 10)  
5.6 – Capacity: U.S. and Metric Systems of Measurement (Skip Objective D: Performing Operations on Metric Systems Units of Capacity on p. 414 including Ex. 8, 9)  
5.7 – Conversions Between U.S. and Metric  
9.4 – Area |
| Week 8     | **8/13 – 8/14**  
*Quiz on Measurement and Area is open*  

Review for Final Exam |
|             | **8/15**  
*Final Exam from 5:30 – 7:30 pm covering all material room CC3353* |