SPRING 2010

MATHEMATICS 093: DEVELOPMENTAL MATHEMATICS II

Text: Developmental Mathematics by Elayn Martin-Gay
ISBN # 0-13-229090-1

About the class: Mathematics 093 is designed to prepare you for University-Level mathematics. Students who pass Math 093 are eligible to enroll in Math 102, Math 103, Math 131, Math 140, or Math 210.

A mathematics tutor is available in class at all scheduled times to assist you. The Basics Skills Lab, BH 400 provides drop in tutoring Monday through Thursday from 8:30 a.m. to 4 p.m. and Friday from 8:30 a.m. to 2 p.m.

Math 093 classes consist of discussions and graded group-learning sessions. Attendance for these sessions is mandatory. You will meet with the instructor and tutors to review topics assigned in the textbook scheduled for that week (see reverse side for schedule). Therefore, you should begin working on the scheduled sections, using the facilities described above, PRIOR to attending these sessions. Homework assignments will be assigned and graded regularly.

Basis of Grading: The course grade will be determined as follows:

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<thead>
<tr>
<th>Component</th>
<th>Weighted Percent of the Course Grade</th>
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<tbody>
<tr>
<td>Chapter Tests</td>
<td>50%</td>
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<tr>
<td>Weekly Quizzes</td>
<td>10%</td>
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<tr>
<td>Assignments</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30% Saturday, May 8, 2010 9:00 a.m. - 11:00 a.m. Room locations will be announced in class</td>
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Course grades will be assigned according to the following criteria:

Credit At least 50% on the final exam and 70% overall course grade

No Credit Less than a 70% overall course grade

SPECIAL NOTE: First time freshman are required to complete all Developmental writing and Developmental Math within the first year of enrollment. The University's "Basic Subjects" policy further requires that as soon as any needed developmental courses are completed, students must enroll in the General Education Basic Subjects (Section A) classes in writing, critical reasoning, oral communication and mathematics. Enrollment must be continuous until Section A is completed.
Math 093 Developmental Mathematics II:  
Spring 2010 Syllabus

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Nisakorn Srichoom</th>
<th>Email:</th>
<th><a href="mailto:ns36151@csun.edu">ns36151@csun.edu</a></th>
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<tbody>
<tr>
<td>Class #:</td>
<td>15939</td>
<td>Instructor website:</td>
<td><a href="http://www.csun.edu/~ns36151">http://www.csun.edu/~ns36151</a></td>
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<tr>
<td>Class Time:</td>
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<td>Office Hours:</td>
<td>MTW 2:00-3:00 PM</td>
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<tr>
<td>Class Location:</td>
<td>BH 314</td>
<td>or by appointment only</td>
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<tr>
<td>Office Location:</td>
<td>BH 400</td>
<td>Class email:</td>
<td><a href="mailto:classsp10.15939-c@csun.edu">classsp10.15939-c@csun.edu</a></td>
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Tutor:

Textbooks and Supplies:

- Developmental Mathematics: Elayn Martin-Gay
- One builder or a spiral or three-ring notebook for class notes to save work.

Do not throw away any assignments Related to this class!

A pencil, eraser, and lined paper. You might find it useful to use colored pencils.

***All turn-in assignments must be done in pencil***

ATTENDANCE:

On time attendance is mandatory for this class. Roll will be taken daily and you are responsible to be in class every class meeting. Arriving late for class is distracting for other students. On the rare occasion that you arrive late to class, enter the room quietly and find a seat near the door. When you arrive late do not try to turn in your work to the tutors, they have been instructed not to take work after they have started grading. This is the heart of the matter: missing two classes is bad; three classes will seriously affect your grade; four or more absences (one full week of class or 20% of the total class) WILL result in a failing grade. To avoid being dropped, you must contact me before or on the day of your absences.

DEVICES: CELL PHONES, PAGES, MP3 PLAYERS, LABTOPS, AND SO ON:

All electronic devices are not allowed in the class. Please make sure to turn off anything that rings, buzzes, plays a delightful tune, or does anything else that will disrupt our class. I love music just as much as you do. But there is a time and a place for everything. In class, I will be listening to the things you and your classmates say. I will not be listening to my iPod. I trust you will do the same. Furthermore, text
messengers are not allowed during class. If your cell phone goes off during class there will IMMEDIATELY be a pop quiz for the whole class which will not be one of the quizzes that will be dropped. If your cell phone goes off during an exam, 10 percentage points will automatically be deducted from your exam. If you are caught text messaging during a test, that will be treated as an incidence of academic dishonesty, with all of the repercussions.

TALKING:
I want your input during the lecture, so if you have questions please ask. Additionally, I will often ask for student feedback during class. However, chit-chatting amongst yourselves during the lecture is distracting for other students. Any student who persists in talking during the lecture will be asked to leave class.

ONLINE HOMEWORK:
Online assignments will be assigned online at http://www.coursecompass.com/ and will be due as indicated. You need to register into coursecompass to work on the online assignments. (see Guide to Access Online Resources information sheet) You should complete the work daily and it is your responsibility to keep track of your assignments. Plan on studying and completing homework a minimum of 15 hours per week. Motivation, tenacity, and a positive attitude are keys to an individual’s success. So, let’s succeed!

CLASSWORK:
The majority of the time spent in class will consist of working in groups. You will be allowed to set up your own groups of no more than 3 students, but I reserve the right to move students from one group to another. Each student in the group must do all his/her own work and turn in a paper. Groups that have students divide the problems between themselves or groups copying from each other will receive no credit for the day. Since you are working in a group, you are responsible for helping each other out. However, you are also responsible for your own learning so do not take advantage of your group mates. Answers without supporting work earn zero points. No Work = No Point. At the end of the class all of the papers will be collected. Each classwork is worth up to 5 points. If you have to leave class early, you will receive a zero point for that day’s work. No make-up classwork for any circumstance. To compensate for emergencies, the lowest two classwork grades will be dropped at the end of the semester. All classwork assignments

- MUST BE DONE IN PENCIL.
- MUST BE STAPLED and handed in to the tutors before the class over.

If there are any questions regarding your homework score, please see me not the tutors.

QUIZZES:
Quizzes will be given at the beginning of each class meeting (about 10-15 minutes) and will be directly chosen from previously assigned homework assignments (5 problems for a total of 10 points). No makeup quizzes will be given under any circumstances. ** One of the lowest quiz score will be dropped at the end of the semester.

EXAMS:
Exams will only be given on the assigned days and must be done in pencil. ** The comprehensive final exam will be given on Saturday, May 8, 2010 at 9:00 a.m. - 11:00 a.m.

CALCULATORS:
Calculators are not allowed in class. Students found using a calculator will receive no credit for the day*(even for checking the answer). This includes the calculator on your cell phone/text messenger/etc.

EXCUSES:
Every day, people struggle to keep jobs and make their lives work. Many CSUN students jump seemingly impossible hurdles to succeed in their classes. I have seen students face devastating personal crises and still come to class with their assignments prepared. You know the course policies and you know what is expected of you. Please do not come to me with excuses about why you were absent or why you did not get your work in on time. If a personal crisis arises, talk with me and let me know what is going on before you
jeopardize your success in the course. Do not, however, say, “Tell me what I’ve missed”; it is not my job to take time to update you for a class you have chosen, for whatever reason, to skip. It is up to you to get the notes and copies of handouts from a classmate. You are responsible for all assignments (those on the schedule as well as those assigned in class). Being absent is not an acceptable excuse for incomplete work. I suggest that you trade phone numbers and/or email addresses with at least two classmates immediately so you can contact them for information in case you are ever absent. Use the top of page one of this syllabus if you like.

CHEATING:
Academic Dishonesty, or cheating, is a very serious offence in college and can have serious repercussions. What constitutes Academic Dishonesty is covered on pages 531 and 532 in the CSUN Catalog. All instances of suspected Academic Dishonesty will be reported to the appropriate authorities.

TUTORS:
The classroom tutors are here to assist you in understanding the material. During group work time they will be circulating in class answering questions. The tutors will not do the work for you, and will always check to see if any of your group-mates knows how to work the problem. If you have any problems with either of the tutors please let me know so that we can deal with the situation immediately.

QUESTIONS:
Any questions about grades received on homework, group work, quizzes, or exams should be referred to me. The tutors can help you if you have a question about WHAT you did wrong, but any grading disputes need to be discussed with me directly.

HELP:
If you are a student served by the Center on Disabilities, please make sure that I receive a copy of what your reasonable accommodations are as soon as possible. If you think that you may need the assistance of the Center on Disabilities because you have any covered disability it is your responsibility to register with them.

** If you miss a class due to extraordinary circumstances (hospitalization, death in the family, etc.) accommodations can be made, provided you can prove that this is why you missed class. Proof consists of doctor's note, obituary, etc.

** Accommodations will always be made for religious holidays. You, as the student, are responsible for informing me of these holidays during the first couple of days of classes.

TUTORING LAB:
BH 400 hours: M-Th 8:30 am – 4:00 pm, F 8:30 am – 2:00 pm
Computer Lab ED 2121A hours: M 10:00 am – 3:00 pm
T 10:00 am – 11:00 am
W 10:00 am – 11:00 am and 12:00 pm – 3:00 pm
Th 10:00 am – 3:00 pm
F 10:00 am – 2:00 pm

Some Hints for Being Successful (Study Tips):
1. Start doing your online assignments as soon as possible after class while it is still fresh in your mind.
2. Rewrite the problem being asked.
3. Keep your online assignments journal; I will ask to check your online assignments journal regularly.
4. Place a star (*) next to the problems you need help with so you remember to ask the tutor. You may even want to write a note about what confused you.
5. To mark questions in the textbook you can use the Post-it flags.
6. Study EVERY DAY, even on weekends. Repetition is one of the keys to success.
7. Review problems that were the most difficult for you, rework them until you feel comfortable with them.
8. Create flash cards for formulas and rules that you need to know.
9. Read the textbook before class and before doing the homework.
10. Keep a binder just for the material from one class only. Have separate dividers for info, lecture notes, tests, quizzes, review tests and assignments (homework and group work). The more organized you are the easier it is to find what you are looking for.

11. Many students find that working with their classmates outside of class is just as useful as working together in class. I encourage you to form study groups and to trade phone numbers and email address. Studies have shown that students who work with other students have a significantly greater retention of the material.

**NOTE-TAKING:**

1. Select colored pens or pencils to:
   a. Sketch a box around definitions, formulas, or other important concepts
   b. Write a reminder note about a key-step within a problem (this works well on the homework as well).

2. Try keeping a 1 to 2-inch margin on one side of your paper to make additional notes.

3. Often times rewriting your notes more neatly helps you organize your ideas and catch any areas where you have questions.

If you are having trouble in the course, please come see me as soon as possible so that we can work together to help you be successful. My goal is help you succeed in this class you that you can advance to college level math courses. I look forward to having you in my class this semester. You should be successful if you attend class, are on time, and keep up with the assignments.
CourseCompass is the course management system (CMS) used to access online resources for Math 093. The resources include student solution manual, online homework assignments, discussion boards, multimedia textbook and more.

To enroll in the CourseCompass course, each student will need the following:

- **Student access code.** Students will receive this code when they purchase the book.
- **Important:** The student access code is nontransferable and can be used only once.
- **Course ID** – [srichoom20852](http://www.coursecompass.com)
- **Email address** – The student's registration and enrollment confirmation will be sent to this email address. This address is also available to you, the instructor, for course-based communications.

**A student who does not already have a Pearson account** and is enrolling for the first time should follow the registration instructions on the home page of the CourseCompass website.

**A student who already has a Pearson account** performs steps 1 through 6 in Registering and Enrolling in a New Subject below to enroll in a new course.

To assist these students, copy the instructions to a document and distribute. You may want to enter your course ID in the space provided in step 3.

### Registering and Enrolling in a New Subject

1. Go to [http://www.coursecompass.com](http://www.coursecompass.com) and click Register in the Students area.
2. Review the list of required items for enrolling in a course, and click Next.
3. Enter the course ID: [srichoom20852](http://www.coursecompass.com) for your new course, and click Find Course.
4. Follow the instructions to either: Use a student access code or Purchase access online
5. Print the Confirmation page to keep a record of your registration and enrollment information, your login name, and the email address used for your account.
6. Click Log In Now to access your new course.

**To use a student access code:**

1. Verify the course information and click Access Code.
2. Enter your student access code and click Next.
3. Review the license agreement and click I Accept.
4. Indicate whether you already have a Pearson account:
   a. If not, select No and follow the instructions to create your login name and password.
   b. If you do, select Yes and enter your login information.
   c. If you're not sure, select Not sure. Enter your email address and click Search. If you have an account, you will receive your login information by email, and you can change your selection to Yes. If you do not have an account, change your selection to No and create your login information.
5. Enter or confirm the information requested on the Account information page:
a. Your name and an email address that you check regularly

b. School Location: Select your school country and, for schools in the U.S., enter the zip code (For CSUN use 91330). From the resulting list, select your school name. If it is not listed, select Other and enter school name, city, and state.

C. Security question: Select a question from the drop-down list; then enter the answer.

Click Next.

To purchase course access online:
1. Click Buy Now.
2. Click the Buy button next to the course materials you want to buy. (You might see options with or without an online ebook, for example.)
3. Accept the license agreement.
4. Indicate whether you already have a Pearson account:
   - If not, select No and follow the instructions to create your login name and password.
   - If you do, select Yes and enter your login information.
   - If you're not sure, select Not sure. Enter your email address and click Search. If you have an account, you will receive your login information by email, and you can change your selection to Yes. If you do not have an account, change your selection to No and create your login information.

Click Next.

5. Enter or confirm the information requested on the Account Information page:
   a. Your name and an email address that you check regularly
   b. School Location: Select your school country and, for schools in the U.S., enter the zip code. (For CSUN use 91330). From the resulting list, select your school name. If it is not listed, select Other and enter school name, city, and state.
   c. Security question: Select a question from the drop-down list; then enter the answer.

Click Next.

6. Enter your payment information (credit card or PayPal account and billing information). Click Continue.

7. Review your order and, when you are ready, click Place Order.

Note: For more help with registration, go to www.coursecompass.com and click Registration Help under Students. For help during registration, click the Video Tutorial link at the top of the registration pages.

Steps to do homework online:
1. Go to http://www.coursecompass.com/
2. Log in using your user name and password.
3. Click on Math 093 Sec 15939 (MTW) CSUN Spring 2010.
4. Click on DO HOMEWORK on the left column.
5. Click on THE NAME OF THE ASSIGNMENT
6. Click on question 1 (you will see the question, work on it and write the answer down in the box)
7. Click Check Answer every time you work on each problem
8. Click 2 on the tap to move on to the second question, then follows steps 6.
9. You can finish homework at once or you can work on them a little bit by a little bit each day, but make sure to click save each time you work on the assignment.
Enrolling in Another MyMathLab Course using the SAME Textbook
(New student access code NOT required)

1. Go to www.coursecompass.com and log in using the login name and password you created when you initially registered for your MyMathLab course.

2. In the Courses box, click the Enroll in Another Course button.

3. On the Product Selection screen, enter the course ID for the new course you wish to enroll in and click on Find Course. If you don’t have the course ID please check with the instructor of the new course.
4. On the **Confirm Course** screen, verify that the course is correct and click on **Next**.

5. After a few moments you will see the **Confirmation and Summary** screen acknowledging your access to the new course. To log into your new course, click on **Enter Course Now**.

6. At the **Course Compass** login screen login using your same login and password.
7. On the **My CourseCompass** screen you’ll see your new course in your **Courses** box.

8. You may continue to see both courses when you log in. If the instructor for the previous course removes you from that course roster, you will no longer see that course listed in your **Courses** box.

9. **Be sure to enter and work in the correct course.** Verify the course name, course ID and instructor name to ensure you are working in the correct course. *If you aren’t sure, check with the instructor of your new course.*

10. If you have questions or need assistance enrolling in another MyMathLab course contact the student support team at 1 800 677-6337 or go to [http://mymathlab.com/contactus_stu.html](http://mymathlab.com/contactus_stu.html).
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<th>TUESDAY</th>
<th>WEDNESDAY</th>
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**FINAL EXAM - SATURDAY, MAY 8, 2009 9:00AM - 11:00 AM**
MATH 093

Test 1 Chapter 9
Equations, Inequalities, and Problem Solving

9.1 The Addition Property of Equality 622
9.2 The Multiplication Property of Equality 631
9.3 Further Solving Linear Equations 640
9.4 An Introduction to Problem Solving 650
9.5 Formulas and Problem Solving 662
9.6 Percent Problem Solving 674
*NOTE: 9.6C - % INCREASE/DECREASE IS OPTIONAL 677
EXCLUDE 9.6D – SOLVING MIXTURE PROBLEMS 678
9.7 Solving Linear Inequalities
*NOTE: 9.7 E OPTIONAL 690

Test 2 Chapter 12
Exponents and Polynomials

12.1 Exponents 869
12.2 Negative Exponents and Scientific Notation 881
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12.4 Adding and Subtracting Polynomials 900
12.5 Multiplying Polynomials 907
12.6 Special Products 914
12.7 Dividing Polynomials 923
*NOTE: EXCLUDE 12.7B – DIVIDING BY A POLYNOMIAL NOT A MONOMIAL 924

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Factoring Polynomials

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13.2 Factoring Trinomials of the Form $x^2 + bx + c$ 955
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13.5 Factoring Perfect Square Trinomials and the Difference of Two Squares 973
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Rational Expressions

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14.2 Multiplying and Dividing Rational Expressions 1025
*NOTE: 14.2D CONVERTING BETWEEN UNITS OF MEASURE IS OPTIONAL 1029
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14.5 Solving Equations Containing Rational Expressions 1051
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Graphing Equations and Inequalities & Systems of Equations

10.1 Reading Graphs and Rectangular Coordinate System
*NOTE: DO 10.1C ONLY - COMPLETING ORDERED PAIR SOLUTIONS
10.2 Graphing Linear Equations
*NOTE: EXAMPLE 6 OPTIONAL
10.3 Intercepts
10.4 Slope and Rate of Change
10.5 Equations of Lines
*NOTE: 10.5D & E POINT-SLOPE IS OPTIONAL
10.6
*NOTE: 10.6 IS COVERED WITH CHAPTER 16 ON TEST 7
10.7 Graphing Linear Inequalities in Two Variables

11.1 Solving Systems of Linear Equations by Graphing
11.2 Solving Systems of Linear Equations by Substitution
11.3 Solving Systems of Linear Equations by Addition
11.4 Systems of Linear Equations and Problem Solving
*NOTE: FINDING RATES EXAMPLE 3 IS OPTIONAL
ALSO; FOR MORE MIXTURE PROBLEMS SEE SECTION 9.6

Test 6 Chapter 15

Roots and Radicals

15.1 Introduction to Radicals
*NOTE: EXCLUDE 15.1 B,C,D FINDING HIGHER ROOTS AND APPROX. SQ. RTS
15.2 Simplifying Radicals
*NOTE: EXCLUDE 15.2D SIMPLIFYING CUBE ROOTS
15.3 Adding and Subtracting Radicals
*NOTE: EXCLUDE 15.3C – SIMPLIFYING CUBE ROOTS
15.4 Multiplying and Dividing Radicals
15.5 Solving Equations Containing Radicals
*NOTE: EXCLUDE 15.5B USING THE SQUARING PROPERTY OF EQUALITY TWICE
15.6 Radical Equations and Problem Solving

Test 7 Chapter 16 & 10.6

Quadratic Equations

16.1 Solving Quadratic Equations By Square Root Property
16.2 Solving Quadratic Equations by Completing the Square
16.3 Solving Quadratic Equations by the Quadratic Formula
*NOTE: EXCLUDE 16.3B APPROXIMATE SOLUTIONS TO QUADRATIC EQUATIONS
16.4 Graphing Quadratic Equations in Two Variables

10.6 Introduction to Functions