

## Math 254B – Essential Mathematics, Second Half

Fall 2009

Jennifer Cass, Instructor (Section # 63837)

### Contact Information:

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**Office Hours:** Mon, Tues, Thurs: 11:30am – 12:30pm

Wed: 10:30am – 12:30pm

### Course Materials:

Basic College Mathematics 3rd ed., by K. Elayn Martin-Gay (same book as for 254A)

We cover chapters 6 – 11:

Ch.6: Percents

Ch.7: Measurement }  
Ch.9: Statistics } One exam

Ch.8: Geometry

Ch.10: Signed Numbers

Ch.11: Introduction to Algebra

### Calculators:

A basic calculator may be used (no graphing calculators, cell phones or other storage devices).

**Note: no calculator may be used on Ch.10 or Ch.11.**

### Learning Outcomes:

1. Demonstrate arithmetic and basic algebraic literacy for subsequent math courses.
2. Convert between equivalent forms of numbers and units of measurement.
3. Determine and apply the appropriate methods to problems involving geometry and statistics.
4. Demonstrate problem-solving ability.

### Assessment:

Chapter Exams            500 points (5 exams @100 pts each)

Homework                50 points (10 packets @ 5 pts each)

Final Exam                200 points

Total Points              750 points

To pass (C or better, or Pass) you must earn at least 70%, or 525 points **and** pass the lab requirement (see next page).

A: 90%, or 675 points

B: 80%, or 600 points

C: 70%, or 525 points

D: 60% or 450 points

F: below 60%, or below 450 points

As in 254A, you begin in the letter grade option. If you retake an exam (see next page), you are automatically switched to the Pass/No Pass option. You may also choose the Pass/No Pass option at any time. You may retake up to three (3) exams (note there are 5 exams!).

**Attendance:** **ON TIME** daily attendance in this course is required. There is a strong correlation between regular attendance and success. If you miss a class, it is your responsibility to come prepared to the next class. I suggest that you exchange phone numbers and email addresses with at least two other students in the class so that you can share information or study together. Excessive absences may result in a drop from the course.

### **Exam Retake Policy:**

If you score lower than 70 on any of the chapter tests, we strongly recommend that you retake that test. You have **one week** from the date the tests are returned to the class to **retake** the test in the MLC (or ILC). The higher of the two scores will be the recorded score. That is, if you score a 65 on the chapter test and then retake the test and score 83, the score of 83 will be your exam score. You will automatically be on the credit/no credit grading system if you retake any exam. **Note:** If you do score above 70 on a chapter test, you may still retake the exam if you would like to try for a higher score.

In order to receive credit for your retake, you must follow the instructions on this page.

- ◆ Each chapter exam will be returned to you at the class period following the exam day. If your score was below 70, you will then have **one week** from the date the exams are handed back to you to do your retake in the MLC.
- ◆ If you plan to retake the test, **you MUST make corrections** to your exam as instructed below **before** your instructor will approve your retake in the MLC.

### **CORRECTIONS INSTRUCTIONS FOR EXAM RETAKE:**

1. On a SEPARATE sheet of paper, write down each problem number (in order) from the exam you will be retaking. (You should put your name, the class, the date, and the test number on your sheet.)
2. If you got the problem correct on the exam, write “correct” after the problem number on your correction sheet.
3. If you missed any part of a problem on the test, you MUST redo the entire problem on the correction sheet. Find out where a similar problem is discussed in the textbook, and follow the example to help you redo the problem correctly. Write down the page number and your correction next to the problem number.
4. If you need help on a problem or type of problem, you may get help from your instructor, a friend, a classmate, or the MLC staff. Note that in the tutoring centers, you may not necessarily get help with all of your problems at once so give yourself enough time to do the rework in the tutoring center. The goal is for you to understand what mistake you made on the exam to avoid repeating it on the next exam.
5. After your correction sheet is complete, staple it to the exam. You MUST show it to your instructor, who will approve your correction sheet or make suggestions for you to make any necessary revisions.
6. Once your correction sheet is approved by your instructor, arrangements will be made for you to retake the exam in the MLC. (If you do not score at least 70 on the retake, you must repeat this entire process with the next retake exam.)

Remember, you are limited to a total of 3 retakes for the semester. If you have any questions at all about this process, please ask your instructor! This policy is here to help you become more successful in Math 254B as well as in your future math classes.

### Final Exam

**The final exam may not be retaken.** You may use a 3 x 5 index card with notes and a calculator on the final. You will also be provided the pages of formulas that were used for Chapters 7 (conversions) & 8 (Geometry).

### Missed Exams:

If you miss an exam, *regardless of the reason*, you will get a score of 0 for that exam, and will have to use one of the 'retakes' to get an exam score. There will be a point penalty for each missed exam as follows:

- 1<sup>st</sup> missed exam: 5 points
- 2<sup>nd</sup> missed exam: 10 points
- 3<sup>rd</sup> missed exam: 15 points
- 4th missed exam: automatic "NO PASS" in the course

Note: These penalties apply only to *missed* exams. If you took your exam in class on the scheduled exam date, but scored below 70%, there is NO penalty to retake the exam.

### Homework:

Homework is due at **the beginning of class** on due dates. No exceptions. Please read through the Homework Policy & Grading handout. Late homework will not be accepted. Be sure to check your answers and make corrections. Visit the MLC or come to my office hours for extra help! (Remember you must earn your Lab points every three weeks.)

### Schedule:

<b>Monday</b>	<b>Wednesday</b>		<b>Monday</b>	<b>Wednesday</b>	
8/31 6.1, 6.2	9/2 6.2, 6.3		10/26 8.6, 8.7	10/28 Review	End of MLC Lab Session 3 on 11/1
9/7 Holiday!	9/9 HW#1 due 6.4, 6.5		11/2 HW#6 due <b>Exam Ch 8</b>	11/4 10.1, 10.2	
9/14 6.6,6.7	9/16 Review	End of MLC Lab Session 1 on 9/20	11/9 Holiday!	11/11 HW #7 due 10.3, 10.4	
9/21 HW#2 due <b>Exam Ch. 6</b>	9/23 7.1–7.3(U.S.)		11/16 10.5	11/18 Review	End of MLC Lab Session 4 on 11/22
9/28 7.1–7.3(Metric),	9/30 HW#3 due 7.4, 7.5, 9.1		11/23 HW #8 due <b>Exam Ch 10</b>	11/25 11.1, 11.2	
10/5 9.2–9.4	10/7 Review	End of MLC Lab Session 2 on 10/11	11/30 HW#9 due 11.3, 11.4	12/2 Review	
10/12 HW#4 due <b>Exam Ch7, 9</b>	10/14 8.1, 8.2		12/7 HW#10 due <b>Exam Ch 11</b>	12/9 Review for Final	End of MLC Lab Session 5 on 12/13
10/19 8.2, 8.3	10/21 HW#5 due 8.4, 8.5		12/14 Final 7am – 9:50am		

## Accommodations:

All students needing accommodations should inform me ASAP. Veterans may qualify for accommodations. Wounded Warriors may have acquired injuries which through the American with Disabilities Act (ADA) entitles the use of accommodations to ensure equal opportunity for students with verified disabilities.

To determine if you qualify or need assistance with an accommodation, please contact:

- Disabled Student Services (Room 810) 479-6379, **or**
- Learning Skills Program (Room 1073) 479-6220.

Please bring a verification of your disability from the Learning Skills or DSP&S offices along with a counselor's recommendations. You must do this in advance of taking any tests if you'd like to receive accommodations (ideally, at least 1 week's notice).

## **LAB REQUIREMENT for Math 254A & 254B**

As a Math 254A or Math 254B student, you are **required**, as part of the course, to attend either the Math Learning Center (Aptos campus Room 1074) or the Integrated Learning Center (Watsonville campus Room 4410) for an average of 70 minutes (1 hour 10 minutes) every week, as stated in the class schedule. The labs offer free math drop in tutoring. You can get tutoring while at the lab or just do homework. There are also videos of lectures from sections of your text book that you can watch in the lab. *Even if you don't need tutoring you are still required to complete the lab hours.*

Student time spent in the lab will be monitored and scored every three weeks. Since it is required that a student participate in the lab for 70 minutes (1 hour 10 minutes per week), a total of 210 minutes (3.5 hours) is the amount of time required during each 3-week session. There are 10 possible lab points for *each* three week session, for a total of 50 possible lab points for the entire semester.

When you check in at the lab, your time spent in the lab will be recorded. You will be given a score up to 10 points for each 3-week lab session. Here is a chart breaking down the total points granted for time spent in the lab over the session:

<b>Hours spent in lab</b>	<b>Minutes spent in lab</b>	<b>Your lab session score</b>
3.5 or more	210 or more	10
3.15 – 3.49	189 – 209	9
2.8 – 3.14	168-188	8
2.45-2.79	147-167	7
2.1-2.44	126-146	6
1.75-2.09	105-125	5
1.4-1.74	84-104	4
1.05-1.39	63-103	3
0.7-1.04	42-62	2
0.35-0.69	21-43	1
Below 0.35	Less than 21	0

**Note:** If you score 90% or above on the exam falling within the 3-week session, you *automatically* receive the full 10 points for your lab session, regardless of hours spent there.

During the semester, there will be a total of 5 three-week lab sessions (10 possible lab points each), yielding a total of 50 possible lab points. The dates of these sessions are as follows:

Session 1: 8/31 – 9/20  
Session 2: 9/21 – 10/11  
Session 3: 10/12 – 11/1  
Session 4: 11/2 – 11/22  
Session 5: 11/23 – 12/13

### **Important:**

The Lab Requirement affects your course grade as follows:

- For the credit/no credit system, you must earn *at least 35* (this means, 35 or more) out of the 50 lab points possible in order to receive credit for the course. If you earn *less than 35* lab points, then your course grade is “*NO PASS.*”
- For the letter grade system, if you have earned *at least 35* lab points, then your course grade stays as is, according to the letter grade point chart given in the syllabus. If your lab points are less than 35, then your course grade is *lowered* by one full letter grade (10%).

## **THE MOST IMPORTANT RULE ...**

Make LOTS and LOTS of mistakes. Learning *requires* mistakes.

Make more mistakes than you thought possible, and then notice how much *you learn now* and how well you do in this course.

*"It's not that I'm so smart, it's just that I stay with problems longer."*

- Albert Einstein

*Welcome to Math 254B!*