

Math 187 B, Basic Mathematics

SYLLABUS

Class: Math 187 B, Basic Mathematics

Instructor: Laurel Brock

Class meets: Tuesdays and Thursdays, 6:00pm – 8:00pm

Room: RM A250, LTCC (upstairs)

Prerequisites: Passing grade in 191AL or equivalent

Course Description: The purpose of this course is to teach students the skills of basic arithmetic. In reality, you have probably already seen this material somewhere in your educational past but may have forgotten it or never really understood it when it was first presented. In this class, our goal is to fill in the gaps of your knowledge about arithmetic and to help you get the “big picture” so that it will all fit together in a way which makes sense to you and that you are able to apply it to “real life” problems.

You will actually be taking two six-week classes, each receiving its own grade:

- **Math 187B** covers decimals, percents, and an introduction to algebra.

Student Outcomes: The successful student will:

- 1) Exhibit a proficiency in the topics covered in the course.
- 2) Engage in logical and critical thinking.
- 3) Read technical information.
- 4) Demonstrate the solution to problems by translating written language into mathematical statements, interpreting information, sketching relevant diagrams, analyzing given information, formulating appropriate math statements, and checking and verifying results.

Instructor's Contact Information:

Phone: Cell: 307-9934, Monday – Friday only please.

Email: lbrock@ltusd.org

Office Hours: TBA

Grades Website: www.sthsonline.com/grades

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Items you need for class:
in addition to the book:

Textbook: "Basic College Mathematics", 6th Edition, Tobey & Slater. ***CALCULATORS ARE NOT ALLOWED IN MATH 187B**

MyMathLab.com: homework and tests are offered online (COURSE #: brock94547)

- Lined paper for note-taking
- Graph paper for the sections on graphing
- Pencil and extra eraser
- A six-inch straight edge
- Several different colors of pencils
(will help you in making your graphs easier to read)
- A yellow or light green highlighter
(may be helpful in notating handouts, your text, or your class notes)

Important dates for Spring Quarter, 2009:

Class Begins	May 18, 2009
Last Day for Refund	May 22, 2009
No Classes (Memorial Day)	May 25, 2009
Last day to Drop (No record)	May 29, 2009
Last day to Drop (with a "W")	June 8, 2009
Final Exam in Class	June 23, 2009

GENERAL INFORMATION

1) **Getting registered:** With WEBREG, Students may enroll ONLINE up until 11:00 PM on the first day that class meets. After that, you'll need a permit from A&R with the instructor's signature, in order to enroll.

2) **My make-up policy:** There is no makeup for quizzes. You may make up one exam, with a 10% penalty. If you can't take an exam with the class, you must call me before the exam. I'll arrange for the makeup test, which you'll be required to complete before the following class meeting. If you miss a test on a Thursday for example you'll have to complete the test before class begins the following Tuesday. I accept two late homework assignments. If you are unable to get to class, you may have a friend bring in your homework, or you can turn it in through the student mail slot outside the college mail room. **STUDENTS ARE NOT PERMITTED INSIDE THE MAILROOM.**

3) I allow extra credit under the following conditions: The student has missed no more than one lecture is current on the homework, and your grade is below 'C'.

5) **Learning disabled students:** If you have a certified learning disability that may affect your performance in the class, please see me so that I can make sure that your needs are met. If you think that you may have a disability but have not yet been tested, you may inquire about this at the DRC, or at extension 249.

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GRADING POLICY

During each part of Math 187 B, you'll take two exams and a cumulative final exam. You'll also complete nine homework assignments. If you are still enrolled on Tuesday, 4/27, you'll receive a letter grade (A-F) for Math 187A. If you're enrolled on Tuesday, 5/20, you'll receive a letter grade for Math 187B. Your final course grade for each part of the class will be structured according to the following:

8 homework assignments (10 pts each)	80 points
2 Quizzes (50 pts each)	100 points
2 midterms, (100 pts each)	200 points
Final exam (200 pts)	<u>200 points</u>
	580 points total
Extra Credit (3 Sample Tests)	30 points
Extra Credit (Quiz #3)	50 points

90-100% = A

80-89% = B

70-79% = C

69% or below = D

Below 300 points, or students who drop out but don't withdraw at A&R: F

Please note: The above grades are what is appropriate for someone earning those percentage scores. However, your attendance and participation, your courtesy to others and your attitude in general will also play a part in your grade. A student who ends up between two grades at the end of the class (this is quite common) can ensure the higher grade with positive attendance and respectful behaviour. Students who disrupt the class with noise and tardiness, or who pose other types of behaviour problems can expect to be issued the lower grade, when say, a B or a C would be equally fair, or a C versus a D.

QUIZZES are offered before each test. Quizzes are worth half the amount of the test. They are given to allow you the opportunity to assess your understanding of the content and prepare for what you still find difficult. You can check the quiz yourself when you turn it in. If you are not present when the quiz is handed out, you may not take it. (there will be no expectations)

The grade of 'F' is usually reserved for students who drop out without informing A & R. At any time during the quarter, you can calculate what your percentage is.

Be aware that with only four letters at the instructor's disposal, it's quite common for students to end up midway between two letter grades at the end of the class. Your behaviour, your participation, and your attendance in class are likely to play a part in your final course grade. Be here. Be courteous and respectful of those around you. Students who behave in positive ways will get the higher grade.

ATTENDANCE: You are encouraged to attend class; although there is not attendance grade given. If you choose not to attend class, please do not ask to make work up. I will accept late assignments for half credit. Extra credit will not be accepted late. Quizzes are scheduled in class only.

HOMEWORK: I will accept late homework assignments for half credit. If you have to miss a lecture, you may drop your homework through the student mail slot on the due date, or have a friend bring it to class.

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Habits that contribute to ACADEMIC SUCCESS:

- 1) Attend every lecture if you possibly can. Sit where you know you won't be distracted, and where you can see and hear what's going on in class.
- 2) Take notes, working along in class and keeping a glossary of unfamiliar terms.
- 3) Do all assigned reading **before class**, so that you can bring up points in class that you found confusing. Work the example problems as part of your reading.
- 4) Do all of the assigned homework, even problems you are not able to finish. Staple each assignment separately. Please, no paper clips.
- 5) Ask questions in class. Stay focused on math. Please limit your conversation in class to the topics being covered, and save your socializing for outside of class.

LAUREL'S COMMITMENT to the class

- I am very excited about being here to teach you. I care as much as you do about your comfort, well-being and accomplishments in our class. All that I do is designed to help you achieve success in math.
- I will maintain, at all times, a respectful and learning-friendly environment for my students. Your input is encouraged and appreciated, when the topic is math. In particular, consistent tardiness, chit-chatting, cell phones and headphones are all discouraged. If your phone disrupts our class, you will be asked to leave, and you'll be marked absent for that period.
- I will never embarrass or humiliate you. Period. You'll receive a courteous and respectful answer to any math question you wish to ask me. If you feel awkward about bringing something up that was covered previously, ask anyway. If we need to spend more time than we can take at the moment, we'll agree to meet later.
- I will be on time, prepared and organized when I get to class. The earlier part of my day will be checked at the door. I will give 100% of my attention to the class.
- I will not short-change you by setting low standards. Earning a 'C' or better in this class means you leave here with the necessary level of competency for success in your next math class. Students who don't need additional math classes will leave with the benefits of an improved understanding and mastery of algebra skills and topics, and a stronger confidence in mathematics than they'd known previously.

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SCHEDULE OF CLASS TOPICS AND HOMEWORK

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Week 1: May 19, 21

Tuesday, May 19th: Welcome to Math 187B, review syllabus & grading policy. Cover 3.5, Division of Decimals. 3.6 Converting Fraction to Decimals & Order of Operations, 3.7 Applied Problems Involving Decimals.

Thursday, May 21nd: Cover 4.1 Ratios, 4.2 Proportions, 4.3 Solving Proportions

Week 2: May 26, 28

Tuesday, May 26th: 5.1 Understanding percent, 5.2 Changing between percents, decimals and fractions, 5.3 Solving percents using a proportion,

Thursday, May 28th: Cover 5.4 Solving applied percent problems. 5.5 Solving commission, percent of increase or decrease, and interest problems. Review for Exam #1 covering 3.5 – 3.7, 4.2 – 4.3, and 5.1 – 5.5. **QUIZ #1**

Week 3: June 2, 4

Tuesday, June 2nd: **Exam #1** Covering 3.5 – 3.7, 4.2-4.3, 5.1 – 5.5.

Thursday, June 4th: Cover 9.1 Signed numbers, 9.2 Subtraction of signed numbers, 9.3 Multiplication and Division of signed numbers, 9.4 Order of Operations with Signed Numbers.

Week 4: June 9, 11

Tuesday, June 9th: Cover 6.4 Converting units of measure, 7.5 Addition of Square Roots, Review for Exam #2 covering 6.4, 7.5, 9.1 – 9.4. **QUIZ #2**

Thursday, June 11th: **Exam #2** covering 6.4, 7.5, 9.1- 9.4.

Week 5: June 16, 18

Tuesday, June 16th: Cover 10.1 Variables and Like Terms, 10.2 The distributive property, 10.3 Solving equations using the addition property.

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Thursday, June 18th: Cover 10.4 Solving equations using the division or multiplication properties, 10.5 Solving equations using two properties. Review the final exam covering all section from 187B. **QUIZ #3** (Extra Credit)

Week 6: June 23, 25

Tuesday, June 23rd: Cumulative **final exam**, covering all sections included on the previous exams in 187B only.

Thursday, June 25th: No Class

Congratulations on your successful completion of Math 187B!
Happy Summer, and enjoy the Tahoe sunshine and outdoor fun.

HOMEWORK CALENDAR

MAY 2009

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19 3-5-5.2	20	21 4-1-4-3	22	23
24	25	26 5-1-5-3	27	28 5-4-5-5 Review Quiz #1	29	30
31						

JUNE 2009

S	M	T	W	T	F	S
	1	2 Exam #1	3	4 5-1-5-4	5	6
7	8	9 6-4, 7-5 Review Quiz #2	10	11 Exam #2	12	13
14	15	16 10-1-10-3	17	18 10-4-10-5 Review Quiz #3	19	20
21	22	23 Final Exam	24	25	26	27
28	29	30				