

# Math 191AL, Basic Mathematics Extended

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## SYLLABUS

Class: Math 191AL , Basic Mathematics Extended

Instructor: Laurel Brock

Class meets: Tuesdays and Thursdays, 6:00pm – 8:25pm

Room: LTCC, A250

Prerequisites: There are no requirements prior to being placed in this class.

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 191AL** covers whole numbers, fractions, and an introduction to decimals.
- **Extended** version cover the content above and includes an additional study skills/counseling component to assist students in being successful in this math class and future ones.

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 and Text: Monday – Friday (8am – 5pm): 530 - 307-9934

Email: [lbrock@ltusd.org](mailto:lbrock@ltusd.org)

Website: [www.sthsonline.com/LTCC](http://www.sthsonline.com/LTCC)

Grades: [www.sthsonline.com/grades](http://www.sthsonline.com/grades)

Office Hours:

Thursdays

Call for an appointment

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

Textbook: "Basic College Mathematics", 5<sup>th</sup> Edition, Tobey & Slater.

**\*CALCULATORS ARE NOT ALLOWED IN MATH 187A or 187B**

- 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)*

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## 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 191AL, you'll take two exams (online), three quizzes (in class), and a cumulative final exam (in class). You'll also complete eight homework assignments (online or in class). If you are still enrolled on Tuesday, 4/27, you'll receive a letter grade (A-F) for Math 191AL. Your final course grade for the class will be structured according to the following:

8 homework assignments (10 pts ea)	80 points
3 quizzes (50 pts ea)	150 points
2 midterms, (100 pts each)	200 points
Final exam	<u>200 points</u>
	630 points total

90-100% = A

80-89% = B

70-79% = C

60-69% = 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 scheduled on the syllabus and given in class only. There will be no make-ups for quizzes.

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 and your participation 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:** Students are allowed two absences with no explanation required. If you need to miss a class, please see me so that I know you aren't dropping. Also, make a friend in class who can tell you what you missed, and share notes with you.

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**HOMEWORK:** Homework will be offered online at MyMathLab.com. You may turn in your homework online or BEFORE class begins. I will accept two late homework assignments. 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.

### **ACADEMIC DISHONESTY (CHEATING):**

**Cheating will be defined as but not limited to:** (1) using any method to copy another's work on an exam, quiz, or final (2) directly copying another student's homework assignment (3) allowing someone else to complete your work (4) using any method other than your own honest efforts to complete exams, quizzes, the final, or homework assignments.

**The following activities are NOT cheating:** (1) collaborating with other students to complete homework assignments (2) working with math tutors or academic coaches to complete homework assignments (3) working with other students to study for exams, quizzes or the final.

**Disciplinary actions for cheating in this class:** Cheating will result in a grade of zero on the item on which the cheating occurred. The worst thing about cheating, however, is compromising your character for such a small reward.

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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.

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### **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.

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- 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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Homework will be offered online at MyMathLab.com OR can be handed in before class begins. Homework is due before each class. Tests will be offered online

If you do not have a computer, arrangements will be made for you to take your tests in the Math Success Center. You will need to make arrangements prior to the day of the exam.

MyMathLab Course Code: brock91394

**PLEASE NOTE: YOU MUST BE CURRENT IN YOUR HOMEWORK ASSIGNMENTS IN ORDER TO TAKE THE EXAMS IN MATH 191AL. YOU MUST COMPLETE HW # 1-4, IN ORDER TO TAKE EXAM #1.**

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### Week 1: April 7 - 9

**Tuesday, April 7th:** Welcome to Math 191AL, review syllabus & grading policy. Cover Sections 1.1-1.3. Understanding whole numbers, addition and subtraction. *\*homework*

**Thursday, April 9th:** Cover 1.4, Multiplication of whole numbers, 1.5 Division of whole numbers. 1.6, Exponents and Order of Operations. *\*homework*

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### Week 2: April 14 - 16

**Tuesday, April 14th:** Cover 1.7 Rounding and Estimation, 1.8 Applied Problems. Read 2.1 & 2.2 for Thursday. *\*homework*

**Thursday, April 16th:** Cover 2.1 Understanding fractions, Begin 2.2 Simplifying fractions. **Quiz #1 (in class only)** Review for Exam #1 covering Sections 1.1 - 1.8. *\*homework*

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### Week 3: April 21 - 23

**Tuesday, April 21st:** **Exam #1 on all of Chapter 1.** Read 2.3 & 2.4 for Thursday. No written homework is assigned after an exam.

**Thursday, April 23rd:** Finish 2.2, Cover 2.3 Improper fractions and mixed numbers, 2.4 Multiplication of fractions and mixed numbers. Read 2.5-2.7 for Tuesday. *\*homework*

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### Week 4: April 28 - 30

**Tuesday, April 28th:** Cover 2.5, Division of fractions and mixed numbers, 2.6 The Least Common Denominator, Begin 2.7, Addition & Subtraction of Fractions. Read 2.8 & 2.9 for Thursday. *\*homework*

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**Thursday, April 30th:** Finish 2.7. Cover 2.8 Combining Mixed Numbers, Order of Operations, 2.9 Applied problems involving fractions. Review for Exam #2 covering 2.1-2.9. **Quiz #2 (in class only.)** *\*homework*

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### **Week 5: May 5 - 7**

**Tuesday, May 5th:** **Exam #2 Covering 2.1-2.9.** No written homework. Read 3.1 & 3.2 for Tuesday.

**Thursday, May 7th:** Cover 3.1, Decimal notation, 3.2 Comparing, Ordering and Rounding Decimals. *\*homework*

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### **Week 6: May 12 - 14**

**Tuesday, May 12th:** Cover 3.3 Addition & Subtraction of Decimals, 3.4 Multiplication of Decimals. **Quiz #3 (in class only).** Review for final exam.

**Thursday, May 14th:** **Cumulative Final exam** including all sections covered in Math 191AL. Congratulations on your successful completion of Math 191AL! I hope to see you in Math 187B.

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