

## Syllabus – MATH 152B: Basic Algebra II

Winter 2012 - Section 5

(Keep this syllabus in your notebook for reference.)

<b>Instructor:</b>	<b>John Stockton</b>	<b>Course ID:</b>	<b>stockton66636</b>
<b>E-mail:</b>	<b>johntheking2000@yahoo.com</b>	<b>Office Hours:</b>	2:30 – 3:00 PM TR or by appointment
<b>Course Website:</b>	<a href="http://www.coursecompass.com">www.coursecompass.com</a> (MyMathLab)	<b>Office:</b>	TBA
<b>Class Times:</b>	<b>152B: 3:30 – 5:20 PM TR</b>	<b>Phone:</b>	TBA

LTCC Math Webpage: <http://www.ltcc.edu/academics.asp?scatID=5&catID=34>

**TEXTBOOK (OPTIONAL):** Beginning and Intermediate Algebra, 4<sup>th</sup> Edition, Elayn Martin-Gay

**REQUIRED SOFTWARE LICENSE:** It is required to have a software license to use the software MyMathLab in this class. Students have *two choices*:

- The *first choice* is to purchase the textbook from the bookstore. The textbook comes with the software license for an additional cost of approximately \$5.
- The *second choice* is to purchase the license alone either from the bookstore or online at coursecompass.com. The license gives you access to the textbook online. This is a more economical choice, but is only recommended to students who have online access and feel comfortable reading a computer screen instead of a traditional book.

If you purchase a used textbook, you will also need to purchase the software license. The software license is valid as long as the student uses the same textbook; the student may need to call the tech support to obtain another access code if the student takes the same class again later.

The courseID is listed in the table above, and is required to access the online portion of this course.

For assistance call 1-800-677-6337. Mon – Fri 5:00 AM – 5:00 PM & Sunday 2:00 PM – 9:00 PM. Online assistance is available 24 hours every day at: [247pearsoned.custhelp.com](http://247pearsoned.custhelp.com)

### **COURSE DESCRIPTION:**

MAT 152B is a continuation of MAT 152A. Topics covered will include factoring, solving equations with rational and radical expressions, systems of linear equations, and solving quadratic equations.

**Prerequisite for this course is a grade of C or better in MAT 152A, or appropriate skills demonstrated through the Math assessment process.**

**CALCULATORS:** Calculators are **not** allowed in this class on quizzes, exams or the final exams.

**Technology in the Classroom:** All cell phones, laptops, headphones, MP3 players, iPods, etc, must be turned off and put away prior to the start of each class. No electronic devices may be used during and exams.

**TUTORING:** Tutoring is available in the Math Success Center (MSC) in Room 201. Students will earn 0.5 point toward the total grade for every 10 hours in MSC or DRC. However, if any student misses two or more classes, no lab credit will be granted.

**STUDENT LEARNING OUTCOMES:**

1. Factor a polynomial.
2. Apply the four basic operations to rational and radical expressions.
3. Solve equations with rational and radical expressions.
4. Solve a 2 x 2 system of linear equations.
5. Solve quadratic equations.
6. Apply course topics to real world situations.

**GRADING BREAKDOWN:**

	<b>Points Each</b>	<b>Percent</b>
<b>Homework</b>	<b>4 Points</b>	<b>10%</b>
<b>Quizzes</b>	<b>2 Points</b>	<b>5%</b>
<b>Exams (3)</b>	<b>80 Points</b>	<b>60%</b> <b>(20% Each)</b>
<b>Final Exam</b>	<b>100 Points</b>	<b>25%</b>

Your letter grade will be based on your total percentage:

**A:** 90-100%, **B:** 80-89%, **C:** 70-79%, **D:** 60-69%, **F:** less than 60%

**CHECKING YOUR GRADE ONLINE:**

You can check your grade at any time in MyMathLab where you will be doing your homework. I will drop a student from the class if the student misses two classes or more and is unable to keep up with the learning.

**HOMEWORK:**

Homework will be done online using MyMathLab. Due dates are listed for you when you go on line to do the assignments. Feel free to consult a fellow classmate, a tutor, your instructor, or anyone else for assistance on the homework. In addition, the computer will give you help with any problem, show you an example of a similar problem, and in some cases show you a video of someone teaching how to do that type of problem. **If you don't have the internet connection at home, you can print them out in school at Math Lab, TLC, or D-wing Lab**, work the problem on the papers, and enter the answers in school.

Homework assignments for each class session will be made available immediately after the corresponding lecture, and will typically be due a week later by 10:15 AM (the specific due date and time is listed with every assignment). Any change to this will be announced either in class or on the course's MyMathLab main page.

## **QUIZZES:**

The quizzes will be assigned nearly every class period, they will be no longer than 10 minutes, and will be at the **beginning** of class only. **There are NO make-up Quizzes, including being late to class.** If you know you will be late, please discuss with me before that particular day of class.

Quizzes will not be graded for accuracy, but rather for participation (2 points for full participation, 1 point for some/lackluster participation, 0 for no/very little participation). The primary goals for these quizzes are:

1. Keep you on track with the study schedule.
2. Give you an idea of what the exam problems will look like, and what is expected for full credit.
3. Build your confidence in your test taking abilities.

## **EXAM POLICY:**

Grading will be based on progress towards the final answer, and the demonstration of understanding of the concept that is being tested. The more you show me with steps and detail, the better your chances for partial credit. You provide me the communication and detail in your answers; and I will give you the best grade I can based on that communication and answer. You can use one 8½ x 11 in. page of hand-written notes, front and back, for quizzes, exams and the final.

## **EXAM MAKE-UP POLICY:**

There will be **no** make-up exams with the exception of extreme emergencies with legitimate documentation, i.e, death in the family or severe illness. If I am **contacted in advance and the absence is excusable**, then we may be able to setup an alternate time to take the exam, either with me or at the TLC (Tutoring & Learning Center).

**If you take the test at TLC, you need to make an appointment at TLC 24 hours ahead by going to TLC, call (530)541-4660 x 740, or e-mail [TLCProctors@ltcc.edu](mailto:TLCProctors@ltcc.edu).**

## **COMMUNICATION POLICY:**

The best way to get in touch with me (if I am not on campus) is through my email address above. One of the features of MyMathLab homework is that if you have a question on one of the problems, you can click 'Ask My Instructor' to send the problem to my email directly and you can tell me what is troubling you. NOTE: If you do not write anything and just send the problem, I will assume that you do not know how to get started, so I will only go as getting started.

If I am on campus, then I am either teaching or I am in my office. If I am there, you are more than welcome to ask me anything, even if it is technically not during my regularly scheduled office hours.

If you miss the class, it is your responsibility to pick up the class handouts or obtain the information either from your classmates or from me during the office hours.

## **LEARNING DISABILITIES:**

If you have a certifiable learning disability that may affect your performance in this class, be sure to discuss your special needs with me during the first week of class. Learning disabilities will be accommodated.

**HOW TO SUCCEED IN A MATH CLASS:**

- 1) Choose to attend all class periods and be on time.
- 2) Read your textbook before class.
- 3) Exchange names and phone number with classmates.
- 4) Learn from your mistakes and be patient with yourself.
- 5) Don't be afraid of asking questions.
- 6) Know how to get help if you need it.
- 7) Organize your class materials.
- 8) Do your homework and DO NOT WAIT to do so.
- 9) Check your work.
- 10) Hand in assignments on time.

**ACADEMIC DISHONESTY (CHEATING):**

Academic dishonesty of any form will not be tolerated. Students caught cheating on exams or quizzes will receive a score of zero on the assignment for the first offense and a course grade of F for the second offense.

**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) 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.

**FINANCIAL ASSISTANCE:** If you need help paying for your books or other expenses, call our financial aid officer, America Ramirez, at 541-4660 x236, email her at [Ramirez@ltcc.edu](mailto:Ramirez@ltcc.edu), or drop by A100.

**WHERE TO FIND A COMPUTER ON CAMPUS:**

Computers are available for your use in the following locations on campus:

- Learning Assistance Center (LAC)\* open M – Th 9 – 6, F 10 – 2, Sa 11 – 3.
- Math Success Center (MSC) \* open Mon – Thurs 9 – 6, Fri 10 – 2, Sat 11 – 1.
- Open Labs in the D-wing which have available times posted by the door of each lab.

\* Both the LAC and the MSC are in room 201.

## *Tentative Lecture Schedule for Math 152B*

**Any changes to this schedule (which are very likely) will be announced in class or on MyMathLab.**

**(Be sure to use class time, office hours, and the MSC to get all of your questions answered.)**

Tuesday	Thursday	Important Dates
1/3: Introduction & Syllabus MyMathLab Tutorial  4.1: Solving Systems by Graphing	1/5: Quiz 1 (4.1)  4.2: Solving Systems by Substitution 4.3: Solving Systems by Addition	
1/10: Quiz 2 (4.3, 4.5)  4.5: Applications of Solving Systems 6.1: Common Factors, Grouping	1/12: Quiz 3 (6.1, 6.2)  6.2: Factoring Trinomials 6.3: Factoring Trinomials II, Perfect Square	1/13: Last Day for Refund
1/17: Quiz 4 (6.3, 6.4)  6.4: Factoring Trinomials III 6.5: Factoring Binomials	1/19: Quiz 5 (6.5, 6.6)  6.6: Solving Equations by Factoring  Review for Exam 1	
1/24: <b>Exam 1</b> (1 hour) (Ch. 4, 6.1 – 6.5)  6.7: Applications of Solving Equations	1/26: Quiz 6 (7.1)  7.1: Simplifying Rational Expressions 7.2: Multiplying and Dividing Rational Expression	1/27: Last Day to Drop with No Record
1/31: Quiz 7 (7.2, 7.3)  7.3: Adding and Subtracting Rational Expression; Least Common Denominators 7.4: Adding and Subtracting Rational Expressions With Unlike Denominators	2/2: Quiz 8 (7.4, 7.5)  7.5: Solving Equations With Rational Expressions 7.6: Applications of Rational Expressions	
2/7: Quiz 9 (7.6, 7.7)  7.7: Complex Fractions  Review for Exam 2	2/9: <b>Exam 2</b> (1 hour) (Ch. 7)  8.4: Variation and Problem Solving	

Tuesday	Thursday	Important Dates
2/14: Quiz 10 (8.4, 9.3)  9.3: Absolute Value Inequalities	2/16: Quiz 11 (9.4)  9.4: Systems of Linear Inequalities 10.1: Radicals and Radical Functions	2/16: Last Day to Drop with a "W" Grade
2/21: Quiz 12 (10.1, 10.2)  10.2: Rational Exponents 10.3: Simplifying Radical Expressions	2/23: Quiz 13 (10.3, 10.4)  10.4: Operations With Radical Expressions 10.5: Rationalizing Denominators	
2/28: Quiz 14 (10.5, 10.6)  10.6: Solving Radical Equations	3/1: Quiz 15 (10.5, 10.6)  Review for Exam 3	
3/6: <b>Exam 3</b> (1 hr.) (8.3, 9.3, 9.4, 10.1 – 10.6)  10.7: Complex Numbers	3/8: Quiz 16 (10.7)  11.1: Completing the Square	
3/13: Quiz 17 (11.1)  11.2: Quadratic Formula	3/15: Quiz 18 (11.2)  Review for Final Exam	
3/20: <b>Final Exam (4:00 – 5:50 PM)</b>	3/22: --	<b>CONGRATS!</b>

First Homework Assignment: (HW1) **due 1/10 before class**

Write me a letter introducing yourself.

- Tell me whatever you would like, such as your hobbies, goals, or plans for the future.
- Most important, tell me your *honest* opinion on the topic of math. If you like math or hate math, tell me that and why (if you do not know specifically why, you do not have to elaborate any further than simply liking or hating it).

Please have them typed. (No page minimum, no longer than 1 page please). You may either email it to me or give me a physical printed copy.

Here is a sample letter from me to you:

Dear Students,

My name is John Stockton, and I am excited to teach math to you all this quarter. I very recently finished my Master's degree in Mathematics (with an emphasis in Statistics), which I hope to put to good use here at Lake Tahoe Community College. The topic of math has always been a strong topic of mine, but it was not until I was a graduate student that I truly discovered how amazing and fascinating the topic can be. I sincerely wish that everyone can see math the way that I see it, which is why teaching math is something that I am committed to and passionate about, and I hope this enthusiasm can rub off onto to all of you.

I enjoy playing music as well; in particular, I play guitar, bass, piano, and saxophone (not necessarily well). I very much enjoy watching movies and TV shows. Some very recent favorite movies include *Drive*, *The Descendants*, and especially *Inception*. I like the shows *How I Met Your Mother*, *Modern Family*, and my current favorite is *Community* (somewhat ironic, I know). I like to play video games (when I have time to), and my favorite travel destinations are any places with roller coasters.

I am really looking forward to the coming quarter, and I plan on making this as fun and informative and I possibly can. Just remember, math was not designed to make your life miserable. Just remember to study regularly and **ask questions!** Best of luck to you all.

Sincerely,

John Stockton