# MATH 0320
## Course Syllabus
### Fall 2016

**Instructor:** Benoit (Ben) Ahanda
**Office:** Math 101-Levelland
**Telephone:** (806)716-2797
**Class Time:** MW 5:20pm-6:55pm & TR 8:00-9:45am
**Class Room:** MW RC272 (Reese Campus) & TR M112 (Levelland)
**Email:** bahanda@southplainscollege.edu

| | M W<br>(Reese) | T R<br>(Levelland) | F<br>(Levelland) |
|---|---|---|---|
| **Office Hours** | • 4:30pm-5:20pm<br>• Or by appointment | • 11:45am-1:00pm<br>• 2:15pm-3:00pm<br>• Or by appointment | • 9:00am-12:00pm<br>• Or by appointment |

**Lecture**:

Questions from Students: 15minutes
Lecture: 55minutes
Break: 5minutes
Lab Assignment: 20minutes

**Textbook**: *Elementary and Intermediate Algebra*, 3rd edition by Sullivan, Struve, and Mazzarella.

### COURSE OBJECTIVES/LEARNING OUTCOMES

1. Graph linear equations and write the equation of the line.
2. Solve systems of equations by graphing, addition (elimination), and substitution.
3. Translate and solve word problems using systems of equations.
4. Graph systems of inequalities.
5. Factor polynomials-review.
6. Solve quadratic equations by factoring.
7. Simplify rational expressions by adding, subtracting, multiplying, and dividing.
8. Solve rational equations.
9. Simplify radical expressions by adding, subtracting, multiplying, and dividing.
10. Solve radical equations.
11. Add, subtract, multiply and divide complex numbers.
12. Solve quadratic equations by completing the square, square root property and quadratic formula.

To maximize the potential to complete the course, a student should attend all class meetings, take notes, participate in class, complete all homework assignments, and demonstrate mastery (at least 70%) on all exams including the final examination.

### EQUAL OPPORTUNITY

South Plains College strives to accommodate the individual needs of all students in order to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability, or age.

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center (also covers ATC) Building 8: 806-716-4675, Plainview Center Main Office:  806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

**Note**: This class rewards students for their work.  Students who attend class, have a good attitude, and willing to complete bonus assignments will be rewarded.

RESOURCES

1.  Your professor:

I urge all students to see me at my office (M101), email me (bahanda@southplainscollege.edu), or call me (716- 2797).  I'm here to help you reach your goals.

2.  FREE tutoring:

Free math tutoring is available throughout the week in the math building in Levelland, Room 116.  Math tutors are also available at the Reese campus (Buildings 2 and 8).  Tutors and times will be posted around the second week of September outside M116 in the math building in Levelland or RC823 (Building 8) at the Reese Center.

3.  Textbook:

The textbook, *Elementary & Intermediate Algebra, 3rd Ed.* by Sullivan, Struve, and Mazzarella can be purchased through one of South Plains College bookstores.  If you choose to use a textbook without buying it, please check out the textbook from the SPC library in Levelland or SPC library at Reese (Building 8).  You can not leave the library with the textbook, but you can make copies for a small fee.

4.  MyMathLab:

You can use MyMathLab for practice problems, instructional videos, online textbook, and online assistance.  You need an access code to register.  Each new textbook is packaged with an access code.  An access code can be purchased at one of the SPC libraries, if you do not buy a textbook.  The cheapest alternative is to pay directly with a credit card when you register online at www.mymathlab.com,  Feel free to explore what MyMathLab has to offer by logging on as an imaginary student.

5.  My office (RM 101):

I will give you access to any solutions for any bonus or practice problems.  You can get these at the end of each class or in my office.  I will have a folder in my office titled Math0320 solutions.  Feel free to walk in my office and check solutions.  The solutions need to stay in or near my office.

6.  Learning Center (Administration Building)

If you have a learning disability of any type, please visit the learning center.  They can provide you with extra resources to help you be successful.  You even have the option of taking your exams at the learning center with extra time, but you must register and qualify for services.

7.  Free Math Videos:

Visit SPC's website, www.southplainscollege.edu.  At the top right of the home page, click on Blackboard.  Blackboard will ask for a User name and password.  Use the following for both:  mvideos.  What will you find here?  You will find videos (ordered by

topic) from SPC professors and handouts (PDF) that accompany most videos.  This is a great resource to use if you missed class, did not fully understand the lesson, or just simply forgot the lesson.

Kahn's Academy (also available on youtube) is an online resource that many students use to watch math videos.

**Supplies :** You will need a scientific or graphing calculator.  Calculators on   cell phones, TI-89,  TI-92, or TI-Inspire calculators, or any other electronic devices will <u>not </u>be allowed during  testing without permission from the instructor.

## <u>GRADING POLICY</u>

All students will be required to complete lab assignments, 3 exams, and 1 comprehensive final exam.

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Exam 1:  20%
Exam 2:  20%
Exam 3:  20%
Comprehensive Final:  25%
Lab Assignments:  15%

</div>

NOTE:  Your lowest exam score will be replaced by the comprehensive final exam score, provided that it is higher.

There are also recommended bonus problems available.  Successful completion of these bonus problems will serve 2 purposes:

First, you can earn 5 points to each exam, if you complete all bonus problems.  Completion of bonus problems includes showing all work (where applicable) without plagiarism.  Students are encouraged to HELP each other, get assistance from free tutoring available, and get assistance from your instructor.  The bonus problems are due at the beginning of each exam, but it is recommended that you complete the bonus problems by the lecture (review) before the exam.  By doing this, you will get feedback and help on any problems.  You will also get access to the solutions.  Thus, you can correct these problems (if any) and use the available time for study.

Second, perfect practice makes perfect.  Students that complete and understand the bonus problems should do well on the exams.

## **Grading Scale**
A:  90% or higher
B:  80% to 90%
C:  70% to 80%
D:  60% to 70%
F:  less than 60%

*NOTE: PR replaces a D or F.  Any student with a PR, D, or F must repeat the class.  However, a PR doesn't affect the student's GPA or financial aid status.*

| Lab assignment deductions: | 5 percentage points: | Tardiness.  5 points for attending class late |
| | | Disrespect for fellow students or professor |
| | | Falling asleep in class |
| | | Cell-phone ringing during class. |
| | 25 percentage points: | Cell-phone use during class, such as texting. |

## <u>ATTENDANCE POLICY</u>

A record of attendance is required by South Plains College throughout the entire semester.  Why?  South Plains College loses a substantial amount of money when students cash financial aid checks, but do not attend class and earn F's.  When this happens, tuition and fees may increase.  Everyone wants to avoid this, and South Plains College does a good job to help prevent this.  Therefore, it is critical to maintain a good attendance record in this class.  The attendance in this class is reflected on your lab assignment grade.

On every lab assignment, you will get points for being in class, both physically and mentally. If for some reason you leave early, you will still turn in your uncompleted lab assignment. However, you will still earn the attendance points. Attendance points are based upon your presence and attitude during the lecture time. School-related absences are excused (Make sure you bring your paper for me to sign).

**What if I do not finish the lab assignment?**
If you are not able to complete the lab assignment by 6:55pm, then I will grant an extension without penalty. I will only grant this extension after 6:50pm.

**Can I make-up a lab assignment that I missed?**
Yes. Whether the absence was excused or unexcused, I propose that we use my office hours on Friday morning. I will go over the lecture with you, and then you will complete the lab assignment in my office or in a room next to my office. You will be granted one week for any make-ups. When the week expires, your lab assignment that was missed will be 0.

**When can I withdraw or drop a class?**
The last day to withdraw from a class is April 28. However, most of you are not allowed (for various reasons) to withdraw from this class, because it is considered a remedial class.

**What is the policy for excessive absences?**
Students will be dropped from a class for excessive absences. Why? See the first paragraph. Excessive absences in this class will be the following: 4 consecutive absences or a total of 7 absences. When a student reaches excessive absences, the student will be assigned an "F". Again, this does not include school-related absences. Also, I understand that people get sick; we have children that get sick; have to go to court; funerals; etc. All that I ask is that you send me an email or call me when you have to miss class. We can work something out. It becomes a problem when you show up every once in awhile or quit attending without any explanation or reason.

Class: Math 0320  Semester: Fall_2016  MW: 5:20pm-6:55pm

| Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|
| Aug. 29<br><br>Syllabus/Assessment | Aug. 30 | Aug. 31<br><br>Factoring Review | Sept. 1 | Sept. 2 |
| Sept. 5<br><br>Simplify rational expressions | Sept. 6 | Sept. 7<br><br>Mult/Divide Rat. expressions | Sept.8 | Sept. 9 |
| Sept. 12<br><br>Add/Subtract rat. expressions | Sept. 13 | Sept. 14<br><br>Add/Subtract rat. expressions | Sept. 15 | Sept. 16 |
| Sept. 19<br>Solve rational expressions | Sept. 20 | Sept.21<br><br>**Review Exam1** | Sept. 22 | Sept. 23 |
| Sept. 26<br><br>**EXAM 1** | Sept. 27 | Sept. 28<br>Graphing fundamentals | Sept.29 | Sept. 30 |
| Oct.3<br><br>Equations of lines | Oct.4 | Oct.5<br>Graphing Inequalities | Oct.6 | Oct.7 |
| Oct.10<br><br>Systems of equations | Oct.11 | Oct.12<br>Apps of systems of equations | Oct.13 | Oct.14 |
| Oct.17<br><br>Absolute Value Equations | Oct.18 | Oct.19<br><br>Functions | Oct.20 | Oct.21 |
| Oct.24<br><br>**Review Exam2** | Oct.25 | Oct.26<br><br>**EXAM 2** | Oct.27 | Oct.28 |
| Oct.31<br><br>Simplifying radicals | Nov.1 | Nov.2<br>Add/Subtract radicals | Nov.3 | Nov.4 |
| Nov.7<br><br>Multiplying radicals | Nov.8 | Nov.9<br><br>Dividing Radicals | Nov.10 | Nov.11 |
| Nov.14<br><br>Complex #s | Nov.15 | Nov.16<br>Factoring/SQ Root Method | Nov.17 | Nov.18 |
| Nov.21<br>Completing the square | Nov.22 | Nov.23<br>**Thanksgiving Break** | Nov.24<br>**Thanksgiving Break** | Nov.25<br>**Thanksgiving Break** |
| Nov.28<br><br>Quadratic Formula1 | Nov.29 | Nov.30<br><br>**Review Exam3** | Dec.1 | Dec.2 |
| Dec.5<br><br>**EXAM 3** | Dec.6 | Dec.7<br><br>Final Prep | Dec.8 | Dec.9 |
| Dec.12 | Dec.13 | Dec.14<br>**Final Exam**<br>5:30pm-7:30pm | Dec.15<br>. | Dec.16 |

Note that this calendar is subject to change.  If the date of an exam has to be changed, the instructor will notify you about it as soon as possible.

Class: <u>Math 0320</u>　　　　　　Semester: <u>Fall_2016</u>　　　　TR: <u>8:00am-9:45am</u>

| Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|
| Aug. 29 | Aug. 30<br><br>Assessment | Aug. 31 | Sept. 1<br><br>Factoring Review | Sept. 2 |
| Sept. 5 | Sept. 6<br>Simplify rational expressions | Sept. 7 | Sept.8<br>Mult/Divide Rat. expressions | Sept. 9 |
| Sept. 12 | Sept. 13<br><br>Add/Subtract rat. expressions | Sept. 14 | Sept. 15<br><br>Add/Subtract rat. expressions | Sept. 16 |
| Sept. 19 | Sept. 20<br>Solve rational expressions | Sept.21 | Sept. 22<br><br>**Review Exam1** | Sept. 23 |
| Sept. 26 | Sept. 27<br><br>**EXAM 1** | Sept. 28 | Sept.29<br><br>Graphing fundamentals | Sept. 30 |
| Oct.3 | Oct.4<br>Equations of lines | Oct.5 | Oct.6<br>Graphing Inequalities | Oct.7 |
| Oct.10 | Oct.11<br><br>Systems of equations | Oct.12 | Oct.13<br>Apps of systems of equations | Oct.14 |
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| Nov.7 | Nov.8<br><br>Multiplying radicals | Nov.9 | Nov.10<br><br>Dividing Radicals | Nov.11 |
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| Nov.28 | Nov.29<br>Quadratic Formula1 | Nov.30 | Dec.1<br>**Review Exam3** | Dec.2 |
| Dec.5 | Dec.6<br>**EXAM 3** | Dec.7 | Dec.8<br><br>Final Prep | Dec.9 |
| Dec.12 | Dec.13<br><br>**Final Exam**<br>8:00am-10:am | Dec.14 | Dec.15<br>. | Dec.16 |

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