



Course Information Sheet – MATH 1314.611 – Fall 2022

Instructor: Denise Johansen

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Time/Place: Tuesdays AND Thursdays, 11am-12:35pm/Lubbock Downtown Center B009

Lubbock Downtown Center Office Hours: M 10am-11am, T 9am-9:30am and 2:30pm-3pm, W 10am-11am and 5pm-6pm, Th 9am-9:30am and 2:30pm-3pm, F 9am-11am (most Fridays).

By appointment: Schedule Zoom meetings using <https://go.oncehub.com/djohansen>

Physical Textbook (Optional): **College Algebra with Intermediate Algebra, A Blended Course**, Beecher, Penna, Johnson, Bittinger. (2017). 1st ed . Pearson. ISBN for Book Only: 97801345556055.

Supplies (Required):

- Calculator with a log function that is NOT your phone and NOT a TI-89 nor a TI-Nspire.
- MyMathLab access code: The cost of this has been added to the regular tuition and fees for the class through the TexBook program. More information on this can be found below. MyMathLab includes access to the electronic version of your textbook and most of your assignments.

TexBook Program: This course is in the SPC TexBook program, so you do not need to purchase a textbook or access code for this course.

· What is TexBook? The required textbook/digital content for this course is available to you in Blackboard from the first day of class. The charge for the textbook/digital content is the lowest price available from the publisher and bookstore and is included in your tuition.

· How do I access my TexBook? Your course material is in your Blackboard course from the first day of class. Access to your course material is provided either by VitalSource or other links inside your Blackboard course. VitalSource (and many publisher's) ebook features include the ability to hear the text read aloud, highlight, take notes, create flash cards, see word definitions, build study guides, print select pages, and download 100% of the book for offline access.

· Help with TexBook issues and support: check with your professor or visit:
<https://support.vitalsource.com/hc/en-us/requests/new> (available 24/7 via chat, email, phone, and text)

· Opting out of TexBook: Participating in TexBook is not mandatory, and you can choose to opt out. However, by opting out you will lose access to the course textbook/digital content and competitive pricing, and you will need to purchase the required course material on your own. If you drop the class or opt-out before the opt-out deadline, the TexBook fee will be automatically refunded to your SPC account. The opt-out deadline for Fall and Spring is the twelfth class day. The opt-out deadline for shorter terms varies between the second and third class day.

*Please consult with your professor before deciding to opt-out. If you still feel that you should purchase the course textbook/materials on your own, send an opt-out email to tfewell4texasbookcompany@gmail.com. Include your first name, last name, student ID number, and the course you are opting out of. Once you have been opted-out, you will receive a confirmation email. If you need assistance with the process, contact the SPC Bookstore:

Email: tfewell@texasbook.com / Phone: 806-716-2399

Email: agamble@texasbook.com / Phone: 806-716-4610

Technology Required:

Working, reliable internet access

Access to your SPC email.

Access to our Blackboard class. Login at <http://southplainscollege.blackboard.com>

MyMathLab website – login through Blackboard

Gradescope.com website – login through Blackboard

Computer, laptop, or tablet for accessing and completing assignments.

Course Delivery:

- This class is a face-to-face course, using a “flipped classroom” model. This means you are responsible for watching the lecture videos in your Explore assignments on your own time and attempting the assigned homework before class. During class, you will be asking questions, working problems together with the class, finishing your homework, completing an in-class worksheet, and/or starting the videos for the next class meeting.
- You will access course information, videos, and homework through use of the internet. I use email, MyMathLab, Blackboard, Zoom, and Gradescope.com to deliver and manage this course.
- I hold face-to-face office hours at the Lubbock Downtown Center campus and virtual office hours using Zoom (schedule individual Zoom time with me at <https://go.oncehub.com/djohansen>). I can also be reached by phone or text using my cellphone number (513-227-0095). If you have to leave a message, my response time is 1 business day or less.

Course Requirements: To maximize the potential to successfully complete this course, a student should spend 10-15 hours per week for the 15 weeks of our semester doing the following:

- attend all class meetings and be prepared to ask your questions
- take notes and participate in class

- login to Blackboard at least three days a week, use the MyMathLab link to login to MML to read the required textbook sections, watch the required lecture videos and take notes, thoroughly complete all homework assignments, and prepare well for examinations.
- Additionally, students are expected to check their SPC school email **daily** and respond to email communications promptly. **If you don't normally check your SPC email, make sure to set up your SPC account to forward mail to an account you do check.**

Contacting Your Instructor: I am available by phone or face-to-face visit in my office on the Lubbock Downtown Center campus during my posted office hours; you can email me or text my cell at any time. I also hold virtual office hours using Zoom (schedule time with me at <https://go.oncehub.com/djohansen>). I can also be reached by phone using my cellphone number (513-227-0095) during reasonable hours. If you have to leave a message, my response time is 1 business day or less.

Learning Materials/Activities: To be successful in this course, you will use the following materials and complete the given activities for each section of the textbook that we will cover.

- Textbook reading – Read the section in your textbook, whether you use a physical book or the eText inside MyMathLab. As you read, you should write notes on any new vocabulary words (usually in boldface type), formulas, theorems, and calculator commands. The reading may be your first introduction to the concepts.
- Explore assignment - Explore assignments for each section will be posted in MyMathLab under the Assignments button and will contain video lectures and vocabulary/concept check questions. As you view the videos/animations, you should add any new information to your textbook notes and copy into your notes any examples worked for you in the video, just as if you were sitting in class with that instructor. The exploration assignment is like a guided practice—concepts are still very new, but you should be getting more familiar with them.
- Homework assignment – Homework assignments for each section will be posted in MyMathLab under the Assignments button and will contain questions that may be multiple choice or fill-in-the-blank, but are primarily open-ended questions for problems that you work out. The questions generally give you 3 chances to get the question right before marking the problem wrong. You will then have access to a Similar Question button that will give you a new question and 3 more chances to get the question right. You have unlimited attempts on homework questions, so if you are persistent, do your work on time, and learn from your mistakes, you can earn 100% on all homework assignments. Also, every homework question has a Question Help button in the top right corner that will walk you through the solution, show you a similar example, link to the textbook section, sometimes links to a video example, or gives you a button to Ask My Instructor which sends me an email with your question. The purpose of homework is to practice, practice, practice! This is where you actually are learning the concepts, not just watching someone else work problems. **If you have to use the Question Help to work a problem, be sure to use the Similar Question button to work it again (and again!) until you can do the problems on your own.**

Course Evaluation:

- Daily online homework assignments will be due weekly, usually at 5pm on Fridays. The homework average is worth 40% of your grade, and the lowest 3 homework grades will be dropped.
- There will be 3 in-class exams, each worth 15% of your grade. For each of these exams, you are allowed ONE 3"x5" handwritten, front and back, notecard. If an exam is missed for a legitimate reason, the Final Exam grade will be substituted for the missed exam. There are NO makeup exams given for any reason. It is still your responsibility to contact me to let me know if you are going to miss an exam. If you miss a second exam, you will receive a 0 for that grade.
- There will be 1 in-class cumulative final exam on **Tuesday, December 15th from 10:15am-12:15pm**, worth 15% of your grade. For this exam, you are allowed TWO 3"x5" handwritten, front and back, notecards.
- **Due dates:** MyMathLab assignments for the week will be released at 5pm on Fridays and due by 5pm on the following Friday. Due dates for the exams are listed in the Course Calendar section of the Syllabus.
- **Late work:** Late work on Homework will be accepted in MyMathLab with a 20% late deduction. This means that if an assignment has 10 questions, and you get 9 of them correct and on time, you earned a 90% on the assignment. If you get the same 9 of them correct, but even one day late, you have earned 80% of 90%, which is only 72%. PLEASE do your assignments on time; don't shoot yourself in the foot! **No assignments will be accepted after a hard deadline of noon on Wednesday, December 14th.**

Grading Policy:

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|------------------|-----|
| Homework average | 40% |
| Exam 1 | 15% |
| Exam 2 | 15% |
| Exam 3 | 15% |
| Final Exam | 15% |

Letter Grades:

| | |
|-------------|---|
| 90% - 100% | A |
| 80% - 89% | B |
| 70% - 79% | C |
| 60% - 69% | D |
| 59% & below | F |

How your work is graded:

- MyMathLab grades online assignments as a percentage based on how many parts of a question were answered correctly, and these grades are immediately included in your MML class average and in your MML Gradebook.
 - You can access the MML Gradebook by going to the Homework page on Blackboard, click the Textbook & Homework link, click the Launch Courseware button, click on the Open MyLab & Mastering button, and then click on the Gradebook button inside MyMathLab.
 - MML Gradebook items should sync with the Blackboard Gradebook every hour.
- For the Exams that I grade, I give a percentage of points based on how many parts of the question were answered correctly.
 - You will take your paper and pencil exams in class with me, and I will scan the exams and upload the scans to Gradescope. I will grade exams and "publish" grades in Gradescope, Gradescope will update your Bb Gradebook and current class average to include those scores.

Response times for grading:

- Explore/Homework - Graded immediately by MyMathLab, reviewed by me within 1 business day if you contact me with a specific question/issue.
- Exams - Graded by me and returned to you within one week. Exception: the final exam is not returned to you, but you can come by the office to see it after grading.

Last day to drop is Thursday, December 1st.

SPC School Holidays:

Monday, 9/5, Labor Day Holiday

Friday, 10/14, Fall Break

Wednesday-Friday, 11/23-11/25, Thanksgiving Holidays

Daily Health Screening: It is critical that you honestly self-screen and STAY HOME if you are experiencing any of the following: fever, cough, chills, muscle pain, shortness of breath or difficulty breathing, new loss of taste or smell, or a sore throat. CONTACT ME if you are having any health issues that interfere with coming to class, taking your exams, or completing other assignments on time.

Cellphones: To limit disruptions to the class and distractions to yourself, please put your cellphone on silent mode or airplane mode. If you feel a call is an emergency that you must answer, please take the phone out in the hall before answering to minimize the disruption to the class. If you feel you must leave class, please do so as quietly as possible.

Student Dress: Reasonable standards of decency apply to the college community. The student should dress in a manner which does not distract from the academic atmosphere. Revealing attire or clothing carrying obscene or offensive slogans is not permitted. In all academic buildings, classrooms, offices, the Student Center, and dining facilities, students are required to wear shirts and shoes.

Language: Please be respectful of others and use language that is appropriate to the workplace. Remember that you are addressing a group. This means several things:

- Don't say/write things that you wouldn't say/write publicly (face-to-face).
- Don't address comments to individuals unless you want all to know what you are telling that person.
- Don't share confidential information. If you are quoting from something another person has sent you personally, ask their permission first.
- Read your message before you send it since once it is out there, you can't change it.

COURSE OUTLINE / CALENDAR**

Problems are assigned online in MyMathLab for each section of the textbook that we cover. Assignments have due dates, generally at 5pm on Fridays. You will lose 20% for work completed after the due date passes. To master the material and prepare for the exams, you **MUST** work extra problems!

** Assignments and deadlines are subject to change at instructor's discretion, and all changes will be announced in class and posted in MyMathLab.

| Date | Content | Assignments |
|--------------------------------|---|---|
| Weeks 1-4 | Syllabus; Readiness Assessment; Factoring; Graphs, Functions, and Applications <ul style="list-style-type: none"> • Syllabus Overview • Factoring Review • 2.2 Functions and Graphs • 2.3 Finding Domain and Range • 2.4 The Algebra of Functions • 2.7 Finding Equations of Lines; Applications | MML Orientation MML Chapter 4 Factoring Practice Read Sections 2.2-2.4, 2.7 MML Explore 2.2-2.4, 2.7 MML Hwk 2.4, 2.5-2.6-2.7 Due 5pm, 9/30 |
| Week 5 9/27 9/29 | Rational Expressions, Equations, and Functions & Radical Expressions, Equations, and Functions <ul style="list-style-type: none"> • 5.5 Solving Rational Equations • 5.6 Applications and Proportions • 5.7 Formulas and Applications • 6.6 Solving Radical Equations • 6.8 Increasing, Decreasing, and Piecewise Functions; Applications | *Blackboard Discussion 1 – Introduce Yourself *Bb Discussion 4 – Study Strategies Read Sections 5.5-5.7, 6.6, 6.8 MML Explore 5.5-5.7, 6.6, 6.8 MML Hwk 5.5-5.7, 6.6, 6.8 Due 5pm, 9/30 *Participating in the discussion boards is optional, but each board is worth 1 bonus point on Exam 1 |
| Week 6 10/4 10/6 | Exam 1 & Quadratic Functions and Equations (Part 1) <ul style="list-style-type: none"> • Exam 1 (Chapters 2, 5, 6) • 7.1 Symmetry • 7.3 The Complex Numbers | *Bb Discussion 2 – Success Plan *Bb Discussion 3 – Growth Mindset Read Sections 7.1, 7.3 MML Explore 7.1, 7.3 MML Hwk 7.1, 7.3 Due 5pm, 10/14 *Participating in the discussion boards is optional, but each board is worth 1 bonus point on Exam 1 |

| Date | Content | Assignments |
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| Week 7 10/11 10/13 | Quadratic Functions and Equations (Part 2) <ul style="list-style-type: none"> • 7.2 Transformations • 7.4 Quadratic Equations, Functions, Zeros, and Models • 7.5 Analyzing Graphs of Quadratic Functions | *Bb Discussion 5 – Stress Management *Bb Discussion 7 – Grit Read Sections 7.4-5 MML Explore 7.4-5 MML Hwk 7.4-5 Due 5pm, 10/14 *Participating in the discussion boards is optional, but each board is worth 1 bonus point on Exam 2 |
| Week 8 10/18 10/20 | Polynomial Functions and Rational Functions (Part 1) <ul style="list-style-type: none"> • 8.1 Polynomial Functions and Models • 8.2 Graphing Polynomial Functions • 8.3 Polynomial Division; The Remainder Theorem and the Factor Theorem • 8.4 Theorems about Zeros of Polynomial Functions | *Bb Discussion 6 – Review Success Plan *Bb Discussion 8 – Sleep & Nutrition Read Sections 8.1-8.4 MML Explore 8.1-8.4 MML Hwk 8.1-8.4 Due 5pm, 10/21 *Discussion boards are optional, but each board is worth 1 bonus point on Exam 2 |
| Week 9 10/25 10/27 | Polynomial Functions and Rational Functions (Part 2) & Review for Exam 2 <ul style="list-style-type: none"> • 8.5 Rational Functions • 8.6 Polynomial Inequalities and Rational Inequalities • Review for Exam 2 (Chap. 7 & 8) | *Bb Discussion 9 – Math in Your Career Read Sections 8.5-8.6 MML Explore 8.5-8.6 MML Hwk 8.5-8.6 Due 5pm, 10/28 *Discussion board is optional, but is worth 1 bonus point on Exam 2 |
| Week 10 11/1 11/3 | Exam 2 & Exponential Functions and Logarithmic Functions (Part 1) <ul style="list-style-type: none"> • Exam 2 (Chapters 7 & 8) • 9.1 The Composition of Functions • 9.2 Inverse Functions | *Bb Discussion 10 – Halloween Recap Read Sections 9.1-9.2 MML Explore 9.1-9.2 MML Hwk 9.1-9.2 Due 5pm, 11/11 *Discussion board is optional, but is worth 1 bonus point on Exam 3 |

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| <p>Week 11</p> <p>11/8</p> <p>11/10</p> | <p>Exponential Functions and Logarithmic Functions (Part 2)</p> <ul style="list-style-type: none"> • 9.3 Exponential Functions and Graphs • 9.4 Logarithmic Functions and Graphs | <p>*Bb Discussion 11 – Math Anxiety</p> <p>Read Sections 9.3-9.4 MML Explore 9.3-9.4 MML Hwk 9.3-9.4</p> <p>Due 5pm, 11/11 *Discussion board is optional, but is worth 1 bonus point on Exam 3</p> |
| <p>Week 12</p> <p>11/15</p> <p>11/17</p> | <p>Exponential Functions and Logarithmic Functions (Part 3)</p> <ul style="list-style-type: none"> • 9.5 Properties of Logarithmic Functions • 9.6 Solving Exponential Equations and Logarithmic Equations | <p>*Bb Discussion 12 – TBD</p> <p>Read Sections 9.5-6 MML Explore 9.5-6 MML Hwk 9.5-6</p> <p>Due 5pm, 11/18 *Discussion board is optional, but is worth 1 bonus point on Exam 3</p> |
| <p>Week 13</p> <p>11/22</p> <p>11/24</p> | <p>Exponential Functions and Logarithmic Functions (Part 4)</p> <ul style="list-style-type: none"> • 9.7 Applications and Models: Growth and Decay; Compound Interest • 11/23-11/25 - Thanksgiving Holiday – No Classes! | <p>*Bb Discussion 13 – Gratitude Due 5pm, 11/25</p> <p>Read Section 9.7 MML Explore 9.7 MML Hwk 9.7</p> <p>Due 5pm, 11/28 *Discussion board is optional, but is worth 1 bonus point on Exam 3</p> |
| <p>Week 14</p> <p>11/29</p> <p>12/1</p> | <p>Review for Exam 3 & Exam 3</p> <ul style="list-style-type: none"> • Review for Exam 3 (Chapter 9) • Exam 3 (Chapter 9) | <p>*Bb Discussion 14 – TBD</p> <p>*Discussion board is optional, but is worth 1 bonus point on Exam 3</p> |
| <p>Week 15</p> <p>12/6</p> <p>12/8</p> | <p>Matrices (Part 2) & Review for Final Exam</p> <ul style="list-style-type: none"> • 10.1 Matrices and Systems of Equations • 10.4 Determinants and Cramer’s Rule • Review for Final Exam | <p>*Bb Discussion 15 – Dear Younger Me</p> <p>Read Sections 10.1, 10.4 MML Explore 10.1, 10.4 MML Hwk 10.1, 10.4</p> <p>Due 5pm, 12/9 *Discussion board is optional, worth 1 bonus point on Final Exam</p> |
| <p>Week 16</p> <p>12/13</p> | <p>Comprehensive Final Exam</p> <ul style="list-style-type: none"> • Final Exam, 10:15am-12:15pm • Any late work due by noon, Wednesday, 12/14 | <p>Have a safe and happy Christmas break!</p> |