# Math 0314 1314 - College Algebra with Support Course - Spring 2024 Jacqueline Fowler

# I. Department Policies (Revised August 2021)

Department: Mathematics, Engineering, and Computer ScienceDiscipline: MathematicsCourse Number: MATH 0314and Math 1314Course Title: College Algebra with Support Course

Available Formats: conventional, hybrid, and internet

Campuses: Levelland, Plainview Center, Lubbock Downtown Center

**Course Description:** Math 0314 is to be taken concurrently with MATH 1314. Background topics which are necessary for a student to successfully complete MATH 1314 will be covered, with an emphasis on fractions, factoring polynomials, functions, exponents, and operating with radical and rational expressions. Math 1314 is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

**Prerequisite:** Minimum score of 340 on the TSIA, or a successful completion with a grade of 'C' or better in MATH 0315, or a successful completion of NCBM-0105.

**0314** Credit: 3 Lecture: 3 Lab: 1 **1314** Credit: 3 Lecture: 3 Lab: 1

#### This course partially satisfies a Core Curriculum Requirement:

0314 – None 1314 - Mathematics Foundational Component Area (020)

#### Core Curriculum Objectives addressed:

- Communications skills—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- Empirical and quantitative competency skills—to manipulate and analyze numerical data or observable facts resulting in informed conclusions

#### **Student Learning Outcomes**

Upon completion of this course and receiving a passing grade, the student will be able to:

- 1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
- 2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
- 3. Apply graphing techniques.
- 4. Evaluate all roots of higher degree polynomial and rational functions.
- 5. Recognize, solve and apply systems of linear equations using matrices.

**Student Learning Outcomes Assessment:** A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester.

**Course Evaluation:** There will be departmental final exam questions given by all instructors.

**Attendance/Student Engagement Policy:** Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. If the student fails to meet these minimum requirements, the instructor <u>may</u> remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student cannot receive an X, the instructor will assign an F.

Plagiarism violations include, but are not limited to, the following:

- 1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
- 2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
- 3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
- 4. Missing in-text citations.

**Cheating violations** include, but are not limited to, the following:

- 1. Obtaining an examination by stealing or collusion;
- 2. Discovering the content of an examination before it is given;
- 3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
- 4. Entering an office or building to obtain an unfair advantage;
- 5. Taking an examination for another;
- 6. Altering grade records;
- 7. Copying another's work during an examination or on a homework assignment;
- 8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
- 9. Taking pictures of a test, test answers, or someone else's paper.

# **II. South Plains College Policies**

**Student Code of Conduct Policy**: Any successful learning experience requires mutual respect from the student and the instructor. Neither the instructor nor the student should be subject to others' rude, disruptive, intimidating, aggressive, or demeaning behavior. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

South Plains College policies concerning diversity, disabilities, non-discrimination, Title IX Pregnancy Accommodations, and Campus Concealed Carry Statements can be found here: <u>https://www.southplainscollege.edu/syllabusstatements/</u>.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: <u>https://www.southplainscollege.edu/emergency/covid19-faq.php</u>.

\*\*\*Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.

### **III. Section C151 Course Policies**

Instructor Information:

Jacqueline Fowler 806-716-4640 B022 (LBK Downtown Center - Basement) jfowler@southplainscollege.edu

Office Hours: All office hours are located in room B022

- Mondays and Wednesdays: 12:30 1:00 pm, 2:45 5:30 pm
- Fridays: 8:00 9:30 am

#### **Required Materials:**

- Notebook paper, pencils, erasers
- 3-ring binder for notes and homework
- access to a reliable internet service
- a way to print documents
- Scientific Calculator (Graphing calculators and cell phones are not allowed at any time.)
- a device with the capability to participate in Zoom meetings with video and audio

**Blackboard:** Blackboard is an online course management system that SPC uses for course information. All course materials can be accessed through Blackboard. For questions regarding Blackboard support call 806-716-2180 or email <u>blackboard@southplainscollege.edu</u>.

**Communication:** All emails need to be sent through your SPC email account to my SPC email account. Do **not** use your personal email. I will respond to all emails within 36 hours except on weekends. Emails sent to me after 12:00 pm on Friday may not receive a response until Monday morning. Be professional in your messages. Do **not** use all caps or text language. Include your name and class on every email.

**Dropping the class:** You may submit a drop form online (<u>online drop form</u>) or visit the Student Services Office. **If someone other than you logs into your Blackboard account, you** <u>WILL</u> be dropped from this class immediately and receive an X.

\*\*Professionalism, respect, and courtesy are required at all times. Confrontational behavior will NOT be tolerated, and you will be dropped from this course immediately to receive an F or X at my discretion.

# **IV. Assignments and Grades**

Grading Policy:	Participation: 15%		Exams: 70%		Final Exam: 15%	
Final Grade Determin	ation:	A: 90-100;	B: 80-89;	C: 70 – 79;	D: 60-69;	F: 0-59

**Tutoring:** You have access to free tutoring through SPC. Click on the tutoring link in Blackboard for more information. If you visit with a tutor, please share with them the work shown in my videos, so they can help you with the correct steps.

Participation: You will turn in your completed notes for each section. These will be emailed to me.

- Requirements for sending your work to me:
  - The file must be an attachment.
    - I will not accept shared files.
  - Each section must be one PDF file with multiple pages.
    - I will not accept any file that is not a PDF -- no pictures!!
  - The file must be sent from your SPC email.
    - I will not accept any work from personal emails

**Lesson Videos:** To help you with the lessons, there are videos in Blackboard. You need to watch the videos and fill in the notes to learn the material. You will not receive partial credit on your exams if I cannot understand your work

**Homework:** In Blackboard, you will find homework for all sections covered in the course. Homework is for practice only, but will prepare you for exams.

**Exams:** There will be 4 exams and a comprehensive Final Exam. Exams will be given on the date listed in the outline. If you are absent on the day an exam is given, you will receive a zero on the exam. There are no make-up exams. The Final Exam may be used to replace the lowest exam grade. You may take your exam on campus or through a zoom meeting. Since seats will be limited at each exam session, you will be required to sign up for an exam session.

- Campus exams will be located at the Lubbock Downtown Center in the basement. Exam room location will be given prior to each exam.
- For exams through zoom meetings, you will be required to print and complete your exam while on camera. Audio and video are required to be on at all times which means you must find a quiet location to take your exam since the other students attending will be able to see and hear you. Once finished, you will scan and email your exam to me and wait for confirmation of receipt from me before you leave the exam meeting. If you leave without confirmation, and I do not receive your work, you will receive a zero on the exam.
  - Requirements for sending your work to me:
    - The file must be an attachment.
      - I will not accept shared files.
    - The file must be one PDF file with multiple pages.
      - I will not accept any file that is not a PDF -- no pictures!!
    - The file must be sent from your SPC email.
      - I will not accept any work from personal emails

Math 0314 1314 C151 Tentative Course Outline -- any changes will be posted in Blackboard All assignments are due by noon on the date listed in this outline.

All assignments are due by noon on the date listed in this outline.										
Week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday				
1		Jan 16	Jan 17	Jan 18	Jan 19	Jan 20				
		1.1, 1.2	1.3	1.4	2.1	2.2				
2	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27				
	2.3	2.3	2.4	2.4	3.1	3.1				
3	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3				
	3.2	3.2	3.3	3.3	3.4	3.4				
4	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10				
	3.5	3.5	1,2,3 notes due	Review	Exam 1 due					
5	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17				
	4.1	4.1	4.2	4.2	4.3	4.3				
6	Feb 19	Feb 20	Feb 21	Feb 22	Feb 23	Feb 24				
	4.4	4.4	4.5	4.5	5.1	5.1				
7	Feb 26	Feb 27	Feb 28	Feb 29	Mar 1	Mar 2				
	5.2	5.2	5.3	5.3	5.4	5.4				
8	Mar 4	Mar 5	Mar 6	Mar 7	Mar 8	Mar 9				
	4 & 5 notes due	Review	Exam 2 due	6.1	6.1					
9	Mar 18	Mar 19	Mar 20	Mar 21	Mar 22	Mar 23				
	6.2	6.2	6.3	6.3						
10	Mar 25	Mar 26	Mar 27	Mar 28	Mar 29	Mar 30				
	7.1	7.1	7.2	7.2	7.3	7.3				
11	Apr 1	Apr 2	Apr 3	Apr 4	Apr 5	Apr 6				
	7.4	7.4	7.5	7.5	Review					
12	Apr 8	Apr 9	Apr 10	Apr 11	Apr 12	Apr 13				
	6 & 7 notes due	Review	Exam 3 due	8.1	8.2	8.2				
13	Apr 15	Apr 16	Apr 17	Apr 18	Apr 19	Apr 20				
	8.3	8.3	8.4	8.4	9.1	9.1				
14	Apr 22	Apr 23	Apr 24	Apr 25	Apr 26	Apr 27				
	9.2	9.3	9.4	9.4	8 & 9 notes due	Review				
15	Apr 29	Apr 30	May 1	May 2	May 3	May 4				
	Exam 4 due	Review	Review	Review	Review	Review				
16	May 6				Lest Deute Dreit	a alaasi. Amr 20				
	Final Exam due				Last Day to Drop	a class: Apr 29				
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