

South Plains College
Common Course Syllabus: Non-Course Based Math (NCBM 0114)
Spring 2022

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: NCBM 0114

Section: 151 (online)

Course Title: Non-Course Based Mathematics (STEM Track)

Available Formats: This course primarily utilizes the Internet. However, the final assessment will be face-to-face.

Campuses: Levelland, Reese, Plainview, and Lubbock Center. This section is a completely online class.

Course Description: A study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. NCBM 0114 is to be taken concurrently with MATH 1314, MATH 1414 or MATH 1324. As a result, this course is not part of the Core Curriculum and thus, does not partially satisfy any core curriculum requirements.

Prerequisite: Minimum score of 348 on the TSIA1 or a minimum diagnostic score of 5 on the TSIA2.

Credit: 1 **Lecture:** 0 **Lab:** 3

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

1. Define, represent, and perform operations on real and complex numbers.
2. Recognize, understand, and analyze features of a function.
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical, and rational expressions.
4. Identify and solve absolute value, polynomial, radical, and rational equations.
5. Identify and solve absolute value and linear inequalities.
6. Model, interpret and justify mathematical ideas and concepts using multiple representations.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines.

Student Learning Outcomes Assessment: Students must take a written end-of-semester assessment (final exam) covering the information from EdReady.

The class will cover topics from the following units of study in the EdReady system:

- 1) Whole Numbers
- 2) Fractions & Mixed Numbers
- 3) Decimals
- 4) Ratios, Rates, and Proportions
- 5) Percents
- 6) Geometry
- 7) Real Numbers
- 8) Solving Equations and Inequalities
- 9) Exponents and Polynomials
- 10) Factoring
- 11) Graphing
- 12) Systems of Equations and Inequalities
- 13) Rational Expressions
- 14) Radical Expressions and Quadratic Equations
- 15) Functions
- 16) Exponential and Logarithmic Functions.

Course Evaluation: EdReady will evaluate the student's mastery of each math concept and provide the student with a score between 0 and 100. The student's goal is to earn an EdReady score of at least 90, which should provide a strong background of mathematical understanding for the final assessment (final exam). At the end of the semester, the student will take a written assessment (final exam) that will determine the student's final course grade for this NCBM 0114 course. The student will schedule a time with the instructor to meet face-to-face for the written assessment (final exam). Performance on this final exam assessment will result in a pass or fail grade for the course. The student must score at least a 70% on the final exam assessment to pass the NCBM 0114 course. A grade of 'P' is assigned for a passing grade, while a grade of 'F' for a failing grade. In order to be fully prepared for the final assessment, it is strongly recommended that the student master enough topics in the EdReady system to obtain a score of at least 90.

Attendance/Student Engagement Policy: Attendance and effort are the most important activities for success in this course. The instructor maintains records of the student's engagement throughout the semester. The student will be required to communicate with the instructor at least once per week for the duration of this course. Failure to communicate at least once per week with the instructor will result in the student being dropped from the course.

SPC Tutors

Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, get to know the tutors, and view tutoring locations.

<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

Tutor.com

You also have 180 FREE minutes of tutoring with tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tutor.com link on the left-hand tool bar and grab a session with a tutor. You can access tutor.com tutors during the following times:

Monday – Thursday: 8pm-8am

6pm Friday – 8am Monday morning

Academic Integrity (Plagiarism and Cheating Policy): "Complete honesty is required of the student in the presentation of any and all phases of course work. This idea applies to quizzes of whatever length as well to final examinations, to daily reports, and to term papers." (*SPC General Catalog*)

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.

It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension. (*SPC General Catalog*)

Plagiarism and cheating are not tolerated in this course. Under the policies of South Plains College, punishment for cheating may include no credit (failing) on the assignment, quiz, exam, or the course.

COVID Syllabus Statement: It is the policy of South Plains College that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. There will be no requirement for face coverings at any location on any South Plains College campus or classroom. Faculty, staff, or students may continue to wear a mask voluntarily, but there will be no requirements for face coverings in any circumstance. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or dedens@southplainscollege.edu.

If you are experiencing any of the following symptoms please do not attend class and either seek medical attention or get tested for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at dedens@southplainscollege.edu or 806-716-2376.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. 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.

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disability Statement: 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 Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Nondiscrimination Policy: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

Title IX Pregnancy Accommodations Statement: If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or [email cgilster@southplainscollege.edu](mailto:cgilster@southplainscollege.edu) for assistance.

Campus Concealed Carry: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php>
Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

SPC Bookstore Price Match Guarantee Policy: If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store.

If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester. The student must have a copy of the receipt and the book has to be in stock at the competition at the time of the price match.

The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by Amazon*, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs.

A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund.

Price matching is only available on in-store purchases. Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

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.



**Non-Course based Mathematics 0114 – Developmental Mathematics STEM Track
Section 155: Online**

Instructor: Mr. Evan Vargas

Email: evargas@southplainscollege.edu

Office: Math Building, M101, Levelland Campus

Phone: (806) 716-4673

Office Hours

M-R: 10:40 AM – 10:55 AM [TA209A]

M/W: 11:00 AM – 11:30 AM [M101]

M: 2:45 PM – 5:20 PM [Reese: 229]

W: 2:45 PM – 3:00 PM [Reese: 229]

F: 9:00 AM – 12:00 PM [M101]

Course Information

Textbooks OpenStax Math Books: <https://openstax.org/subjects/math>

EdReady <https://southplainscollege.edready.org> - **Required**
Set up a username and password. **Key: Vargas0114Sp22**

Materials Pencils, erasers, paper, and access to a computer with a reliable and stable internet connection

Course Evaluation

EdReady EdReady will evaluate the student's mastery of each math concept and provide the student with a score between 0 and 100.

- The student's goal is to earn an EdReady score of **at least 90**, which should provide a strong background of mathematical understanding for the final assessment (Final Exam).

Diagnostic Test The student must take an initial Diagnostic Test at the start of the semester

- Please allow at least one hour for this test. However, if you need more time or need to step away, there is an option to save and exit.
- After completing this initial diagnostic test, contact your instructor for next steps to complete the requirements for this course

Final Exam At the end of the semester, the student will take a written assessment (final exam) that will determine the student's final course grade for this NCBM 0114 course. Performance on this Final Exam assessment will result in a pass or fail grade for the course.

- The student will schedule a time with the instructor to meet face-to-face for the written assessment.
- The student must score at least a 70% to pass the NCBM 0114 course. A grade of 'P' is assigned for a passing grade, while a grade of 'F' for a failing grade.
- In order to be fully prepared for the final assessment, it is strongly recommended that the student master enough topics in the EdReady system to obtain a score of **at least 90**
- **Final Exam Week: May 9th – May 12th**

Class Policies

Attendance Policy and Instructional Videos

Attendance and effort are the most important activities for success in this course. The instructor maintains records of the student's engagement throughout the semester. The student will be required to communicate with the instructor at least once per week for the duration of this course. Failure to communicate at least once per week with the instructor will result in the student being dropped from the course.

Additional Support

Supplemental material for this class is available with an open educational resource (OER) textbook. The textbook is free, and available for online viewing or digital download.

SPC also offers **free tutoring**. This information is located [here](#).

Office Hours

Office hours will be held at the listed times or virtually. Virtual office hours will be held using Zoom. Please make an appointment [here](#) to ensure time availability.

South Plains College Email Policy

The instructor will only acknowledge, respond, and send emails to the student assigned South Plains College email. This ensures the intended recipient receives all correspondence from the instructor. It is the students' responsibility to have their email set up and ready to use by the end of the first week of class.

Drop/Withdrawal

Students should submit a Student Initiated Drop Form online to drop from the course. An instructor signature is not required. If the student wishes to withdraw from this or more courses, the student needs to contact the Advising Office.

COVID Syllabus Statement

Consistent with the latest CDC recommendations, we have revised our guidance for students, faculty, and staff who have a known exposure or have tested positive. Anyone with a known exposure should wear a mask for 10 days and should seek a COVID-19 test on day five after exposure. If you test positive or develop symptoms, you should immediately self-isolate and seek a COVID-19 test. Please immediately notify your instructor, supervisor, and DeEtte Edens, Associate Director of Health and Wellness, any time you test positive for COVID-19. Anyone who tests positive is required to self-isolate for five days. Following the five-day isolation period, if you are asymptomatic or your symptoms are resolving, you may return to work or class but should wear a mask for five additional days. If you are still symptomatic, please contact DeEtte Edens at dedens@southplainscollege.edu or 806-716-2376 prior to your return date.