

**NCBM 0112.154 – Quantitative Reasoning
Compendium
Fall 2021**

Instructor: Miss Shirley Davis

Email:

sdavis@southplainscollege.edu

Office Location: Levelland Math,
Room 103

Office Phone: (806)-716-2699

Supplies: The student will need regular access to a computer with a good internet connection, and they will need transportation to Levelland for the course's written final exam on a day of the week of December 13th – December 16th.

EdReady: The course will be almost entirely run through EdReady. Instructions for accessing EdReady are on the course Blackboard page. The goal key is: **Davis0112Fall21**

Grading: This course is a pass/fail course. 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** before the final exam, 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 0105 course. The student is expected to attend in-person on Monday December 13, 2021 at 1:00 pm for a two-hour written final exam (NOT multiple choice). 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 0105 course. A grade of 'P' is assigned for a passing grade, while a grade of 'F' for a failing grade.

Participation: Every student is expected to improve their EdReady score (at least a little bit) each week and to email the professor to check in each Friday. Any student who does not make progress for 4 consecutive weeks or 5 total weeks may be dropped from the class. You must make *weekly* progress.

Final Exam: The final exam will be on day of the week of December 13th – December 16th during one of the scheduled exams that the instructor has arranged (see Miss Davis Final Exam schedule on Bb) on the Levelland campus. The exam will be a **written** exam – it will not allow a calculator, and it will **not** be multiple choice. You will need to bring **photo ID** to take the exam.

Calculator Use: A calculator cannot be used for any part of this course (EdReady or the final exam). Relying on a calculator during the EdReady portion will *drastically* reduce your chances of doing well on the final. Remember, you'll fail the course unless you get at least a 70% on the final exam – without using a calculator!

Check-ins: You are expected to check in weekly to share your progress with your instructor. Details are on the Blackboard page.

Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
10:30 – 11a (F2F)	10:45 – 11:45a (F2F/V)	2:30 – 3:30p (F2F/V)	10:45 – 11:45a (F2F/V)	1:30 – 3:30p (V)
2:30 – 4p (F2F/V)	2:30 – 3:30p (V)			
<i>or by appointment</i>				
<i>F2F = face-to-face</i>		<i>V = virtual</i>		
At these designated times, I will be available either physically in my office or virtual to help you. You do not need an appointment for the physical office hours. When you come by, I may be assisting another student, but please wait patiently, and I will attend to you eventually.				
For the virtual office hours, appointments are required to eliminate confusion of students from mixed classes. Please use MS Bookings located in NCBM Blackboard, <i>Schedule Virtual Appointment</i> , under the category, INSTRUCTOR INFO .				

Syllabus Content: The instructor reserves the right to change/update the syllabus throughout the semester. Students will be made aware of any changes to the syllabus by email. The rest of this syllabus contains more detailed information about SPC's policies for this course.

South Plains College
Common Course Syllabus: NCBM 0112
Revised August 2021

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: NCBM 0112

Course Title: Non-Course Based Mathematics (Quantitative Reasoning Track)

Available Formats: internet

Campuses: Levelland, Reese, Plainview, and Lubbock Center

Course Description: Supports students in developing skills, strategies, and reasoning needed to succeed in mathematics, including communication and appropriate use of technology. Topics include the study of numeracy and the real number system; algebraic concepts, notation, and reasoning; quantitative relationships; mathematical models; and problem solving. NCBM 0112 is to be taken concurrently with MATH 1342 or MATH 1332.

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

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

Textbook: None, use of EdReady required

Supplies: Please see the instructor's course information sheet for specific supplies.

This course partially satisfies a Core Curriculum Requirement: No

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

1. Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.
2. Define, represent, and perform operations on real numbers, applying numeric reasoning to investigate and describe quantitative relationships and solve real world problems in a variety of contexts.
3. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.
4. Apply algebraic reasoning to manipulate expressions and equations to solve real world problems.
5. Use graphs, tables, and technology to analyze, interpret, and compare data sets.
6. Construct and use mathematical models in verbal, algebraic, graphical, and tabular form to solve problems from a variety of contexts and to make predictions and decisions.

Student Learning Outcomes Assessment: Student must take a written end of semester assessment covering the information covered in EdReady in class.

Course Evaluation: EdReady will evaluate the mastery of each student and give a score between 0 and 100 **and** student grade on the written end of semester assessment.

Attendance Policy: The student will be required to communicate with the instructor at least **once** per week and work in EdReady each week for the duration of the course. Failure to do so will result in the student possibly being dropped from the course.

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.

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.

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 rcanon@southplainscollege.edu](mailto:rcanon@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.

NCBM 0112 (1:1:0)
Quantitative Reasoning

MATHEMATICS DEPARTMENT

Division of Arts & Sciences

South Plains College

FALL 2021

Shirley Davis