



## Course Syllabus – Developmental Mathematics

NCBM 0105.201 – Spring 2018

**Department:** Mathematics and Engineering

**Instructor:** Denise Johansen

**Discipline:** Mathematics

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**Course Number:** NCBM 0105

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**Course Title:** Developmental Mathematics

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

**Time/Place:** ARR

**Office Hours:** MTWR 8-8:30am and 10:30am-11am, TR 2:30pm-4pm, F 9am-12pm, or by appointment

**Prerequisites:** None

**Course Description:** **NCBM 0105 - Developmental Mathematics (BASE NCBM).**

**(1:1:0)** Topics in mathematics, such as arithmetic operations, basic algebraic concepts and notation, geometry, and real and complex number systems are taught to prepare students for Beginning Algebra, MATH 0315. This course is designed for students who have tested at an ABE level of 4 or lower. This course will not satisfy graduation requirements. (copied from the current SPC catalog)

**Student Learning Outcomes:**

Upon successful completion of this course, the student will:

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.

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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.

**Textbook:** No textbook is required for this course; all course work will be done on the EdReady website at <https://southplainscollege.edready.org>. However, the instructor may recommend a textbook for additional study.

**Attendance Policy:** This is not a traditional face-to-face course; you will be working at your own pace and on your own schedule at the EdReady website. Until the coursework is completed, you will be required to login to make progress on your Study Path AND communicate with me **at least once per week** for the duration of this course. Failure to make progress AND contact me at least once per week will result in you being administratively dropped from the course with a grade of 'F' or 'X'. You can contact me by coming to see me in my office during posted office hours, by email, by phone, or by text.

**Grading:** This course will be graded on a pass/fail basis. Once you have completed the course with at least 90% mastery, you will have earned a grade of P, indicating "passing" for the course. If you do not achieve a 90% level of mastery by the end of the semester, you will have earned a grade of 'F' and will be required to enroll in the course again.

**Supplies:** Access to a computer with an internet connection is required for this course.

### Accessing the Course Diagnostic and Learning Modules:

**Creating an Account:** First, the student will need to create an account at <https://southplainscollege.edready.org>. Here are the steps:

1. Go to this website and choose the "Get Started" option. If you already have an EdReady account, then choose the "Log In" option at the upper-right corner of the screen.
2. Complete the brief form on the "Sign Up for EdReady" screen.
3. After setting up a username and password, choose the "Enter a key to add goals" option. Your key for this **course is NCBM0105\_spring2018\_Johansen**.

**Taking the Initial Diagnostic Test:** Second, after creating the account, you will need to take the initial diagnostic test.

- 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.
- To access the initial diagnostic test, login to EdReady, click on the Go to Goal button for our class, and then click on the Start Diagnostic button.
- Please do NOT use a calculator, phone, friend, or other resource during the diagnostic.
- After completing this initial diagnostic test, you can click the View Results button to see how you did on each of the 7 Units in the course. (Green means you have shown mastery of that Unit, yellow means you need to review that Unit before retesting on it, and Red means you have more review/learning to do before retesting on it.)

**Completing the Course:** You complete the course by getting your score up to 90 or above.

- Each time you login, click on Go to Goal for our course, and then click View Study Path.
- You can work on Units/Topics in any order you like, but the recommended order is shown with the first Unit you need to work on listed first.

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- There is a Unit Test for each Unit that you can take to see exactly which Topics within the Unit you need to work on. If you know you aren't ready for the Unit Test, you can work on the Topics under it instead.
- Each Topic has Learn and Test buttons. If you click the Learn button, you will have access to Warm-Up, Presentation (video), Worked Examples (videos), Topic Text (reading material), Practice (problems to work), and Review (practice test). If you click on the Test button, you will get a Topic Test of 1-10 questions. If you do well on the Test, you will master the Topic, the Topic disappears from your Study Path, and your course score gets increased.
- If you are stuck or struggling on a Unit or Topic, please be sure to contact me to get some help! SPC also has tutors available on each campus to help you with math, but please don't ask them to work your problems; just ask them to help you understand the concepts.
- When your EdReady score is at least 90, you are excused for the rest of the semester!

**Last day to drop is Thursday, April 26<sup>th</sup>.**

### **SPC School Holidays:**

Monday, 1/15, Martin Luther King Holiday  
Monday-Friday, 3/12-3/16, Spring Break  
Monday, 4/2, Easter Holiday

**Academic Integrity:** 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.

**Cheating:** Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in an office are examples of cheating. Complete honesty is required of the student in the presentation of any and all phases of course work. This applies to quizzes of whatever length, as well as to final examinations, to daily reports and to term papers.

**Dress Code:** 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.

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**Campus Carry:** South Plains College permits the lawful carry of concealed handguns in accordance with Texas state law, and Texas Senate Bill 11. Individuals possessing a valid License to Carry permit, or the formerly issued Concealed Handgun License, may carry a concealed handgun at all campus locations except for the following:

- Natatorium

For a complete list of campus carry exclusions zones by event, please visit

<http://www.southplainscollege.edu/campuscarry.php>

**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.

**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 Special 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 Special Services Coordinator. For more information, call or visit the Special Services Office in the Student Services Building, 716-2529 or 716-2530.