CENTRAL TEXAS COLLEGE
SYLLABUS FOR DSMA 0101
BASE NCBO FOUNDATIONS OF ALGEBRA

Semester Hours Credit:  1

INSTRUCTOR: __________________________

OFFICE HOURS: ______________________

I. INTRODUCTION

The BASE NCBO Developmental Mathematics 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.

This intervention is designed specifically for students assessed at BASE levels 3-4 in the TSIA and must be part of a student’s co-enrollment in DSMA0491 NCBO Foundations of Algebra or DSMA0499 NCBO Developmental Mathematics. The intervention is a mainstreamed intensifier providing additional, just-in-time instructional support for the student’s success in DSMA00491 or DSMA0499.

This course will assist the student in developing the critical-thinking and problem-solving skills necessary for college level mathematics courses.

II. LEARNING OUTCOMES

Upon successful completion of this course, BASE NCBO Foundations of Algebra, and the co-enrollment course DSMA0491 or DSMA0499 the student will be able to:

A. Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.  (F1, F2, F5, F10)

B. 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.  (F1, F2, F3, F4, F6, F8, F9)

C. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.  (F2, F4, F8, F9)
D. Apply algebraic reasoning to manipulate expressions and equations to solve real world problems. (F3, F4, F8, F9)
E. Use graphs, tables, and technology to analyze, interpret, and compare data sets. (F2, F3, F5, F8, F10)
F. 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. (F2, F3, F4, F5, F6, F8, F9, F10)
G. Compute basic operations of addition, subtraction, multiplication and division of whole numbers, fractions, decimals and signed numbers. (F1, F3, F4, F5, F8)
H. Use electronic and other media, such as the computer and DVD, to reinforce and supplement the learning process. (F1, F2, F3, F6)
I. Demonstrate critical thinking, communication, and empirical and quantitative skills. (F1, F3, F4, F7, F9)

Some learning outcomes are followed by letters and numbers; i.e., C9 or F11. These refer to SCANS foundations skills (F) and workplace competencies (C). View a chart showing these skills at http://www.ctcd.edu/scans. For more on the (Labor) Secretary's Commission on Achieving Necessary Skills, or SCANS, go to the U.S. Department of Labor site at http://wdr.doleta.gov/SCANS/.

III. INSTRUCTIONAL MATERIALS/RESOURCES
To assist in this course, a variety of materials both in and out of the classroom/laboratory will be required and used. The materials that you will need to purchase for this semester are listed at the following URL address:

http://www.ctcd.edu/books

***Required: Set of earphones for personal use in the lab.***

NOTE: Students will be allowed to use the basic calculator: Casio fx-55 PLUS

IV. COURSE REQUIREMENTS
A. The student is required to attend and participate in class.

B. The student is required to work on the MyMathLab assignments in DSMA0491/DSMA0499 plus any supplemental DSMA0101 assignments.

V. EXAMINATIONS AND ASSIGNMENTS
A. All assignments are spelled out on the student’s individual study plan.
VI. SEMESTER GRADE COMPUTATIONS

This is a Pass/Fail course based on participation and the grade in the co-enrollment DSMA0491/DSMA0499.

VII. NOTES AND ADDITIONAL INSTRUCTIONS

A. Withdrawal from Course: It is the student's responsibility to officially withdraw from a class if circumstances prevent attendance. Any student who desires to, or must, officially withdraw from a course after the first scheduled class meeting must file an Application for Withdrawal or Application for Refund. The withdrawal form must be signed by the student.

An Application for Withdrawal will be accepted at any time prior to Friday of the 12th week of classes during the 16 week fall and spring semesters. The deadline for sessions of other lengths is as follows:

- 12 week session: Friday of the 9th week
- 10 week session: Friday of the 7th week
- 8 week session: Friday of the 6th week
- 6 week session: Friday of the 4th week
- 5 week session: Friday of the 3rd week

The equivalent date (75% of the semester) will be used for sessions of other lengths. The specific last day to withdraw is published each semester in the Schedule Bulletin.

Students who officially withdraw will receive the grade of "W" provided their academic performance is satisfactory at the time of official withdrawal. Students must file a withdrawal application with the college before they may be considered for withdrawal.

Before withdrawing from any developmental course, the student should seek the advice of Guidance and Counseling so that the student does not initiate an action that would inadvertently have a negative repercussion on his/her enrollment or Financial Aid.

B. Cellular Phones and Pagers: Cellular phones and pagers must be turned off while the student is in the classroom or laboratory.

C. American’s With Disabilities Act (ADA): Disability Support Services provide services to students who have appropriate documentation of a disability. Students requiring accommodations for class are responsible for contacting the Office of Disability Support Services (DSS) located on the central campus. This service is available to all students, regardless of location. Explore the website at www.ctcd.edu/disability-support for further information. Reasonable accommodations will be given in accordance with the federal and state laws through the DSS office.
D. Civility: Individuals are expected to be cognizant of what a constructive educational experience is and respectful of those participating in a learning environment. Failure to do so can result in disciplinary action up to and including expulsion.

E. Office Hours: Full-time instructors post their office hours outside their office doors. Part-time instructors may be available by appointment. Please feel free to see your instructor should you find yourself having difficulties with this course.

VIII. COURSE OUTLINE

Concepts covered in this BASE NCBO are based on the Developmental topics required to be successful in the co-enrollment DSMA0491/DSMA0499 course. The concepts will be presented in a Just-In-Time computer aided environment – concepts will be taught as needed to complete material based on individual student’s mastery of outcomes.