

Developmental Math II
Spring 2012
Clarendon College
Math 0302

Classroom Location: Clarendon Campus, Room 107

Instructor: Chase Robertson

Office Location: BAC - Rm104

Phone: 806-874-4851

Email: Chase.Robertson@clarendoncollege.edu

Office Hours: Monday through Friday 9AM – 12PM or by appointment.

Text:

Developmental Mathematics: Lial, Hornsby, McGinnis. Developmental Mathematics: Basic Mathematics and Algebra. Published by Prentice Hall

Supplies:

Paper and Pencil, Math XL

Purpose of the Course:

Introductory Algebra is a developmental class to prepare the student for the THEA (Accuplacer) test and College Algebra.

Course Description:

Topics include basic mathematics of integers, fractions and decimals; ratios and percents; basic measurement and Geometry; signed numbers; simple algebraic expressions and equations. Placement is based on proficiency tests.

Statement of Purpose:

This is a developmental course. This course does not meet elective or graduation requirements. Students are expected to gain competency in the skills necessary to satisfy the remedial terms of the State of Texas, either through successfully passing the THEA exit test or receiving an A or B in the course and moving to the next level in the developmental program.

Methods of Instruction

1. Reading assignments.
2. Lecture with discussion and examples.
3. Problem assignment.
4. Discussion of problems.

Course Objectives:

After successful completion of MATH 0302, a student should be able to:

1. Apply the four arithmetic operations using the order of operations on signed numbers, fractions, and decimals.
2. Evaluate the perimeter, area, and volume of basic geometric shapes.
3. Apply conversions between fractions, decimals, and percents.
4. Apply conversions within the U.S. system of measurement and the Metric system of measurement.
5. Apply mathematical skills to evaluate equations from various types of stated problems, then state solutions in complete sentences.
6. Evaluate data from tables and graphs.
7. Apply the distributive property, simplify and evaluate algebraic expressions.
8. Evaluate algebraic equations by performing the addition property of equality and the multiplication property of equality.
9. Apply arithmetic operations on algebraic expressions.
10. Solve and graph linear equations and inequalities in 1 variable.
11. Solve and graph linear equations and inequalities in 2 variables.
12. Apply the distributive property, simplify and evaluate algebraic expressions.
13. Write the equation of the line and use the slope to identify the perpendicular and parallel line.

Exemplary Objectives:

The objective of the mathematics component of the core curriculum is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real world problems.

1. To apply arithmetic, algebraic, geometric, higher-order thinking and statistical methods to modeling and solving real-world situations.
2. To represent and evaluate basic mathematical information verbally, numerically, graphically and symbolically.
3. To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
4. To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
5. To interpret mathematical models such as formulas, graphs, tables and schematics, and inferences from them.
6. To recognize the limitations of mathematical and statistical models.
7. To develop the view that mathematics is an evolving discipline, interrelated with human culture and understand its connections to other disciplines.

Grading Policies:

The final semester grades will be figured as set in the current catalog:

90 – 100% A

80 – 89.9% B

70 – 79.9% C

60 – 69.9% D

60 or below F

A student's final grade will be made available through the Student Portal located at www.clarendoncollege.edu

You must go to the lab and do the assignments if you intend on passing this class. Assignments and chapter tests are on the MathXL and will not be re-open after the due date. If you are going to miss class for extra-curricular activities then make arrangements ahead of time to change the dates on the assignments. **IMPORTANT: NO GRADES WILL BE ACCEPTED UNTIL YOU HAVE SIGNED THE CLASS CONTRACT**----Any grades collected before the class contract is signed will be recorded as a zero.

Attendance: 10%

1 unexcused = 95

2 unexcused =90

3 or more = 0

Mad Minutes: 10%

Daily work: 15%

Quizzes: 10%

Lab: 10% This is based on attendance.

1 unexcused = 95

2 unexcused =90

3 or more = 0

Tests:

45% Chapter test will be located on your MathXL. The comprehensive final exam will count as two test grades and takes approximately 1.5 hours. No early finals are given unless permission is given by the Dean of Instruction and will be given in the classroom.

Classroom Policies:

I will show you the respect you deserve as a student. I, in return, expect respectful behavior from you.

Disrespectful behavior includes...

Arriving late.

Leaving the room during class time. Plan restroom visits before or after class—not during class. If special needs exist, please make prior arrangements.

Using electronic communication devices. This includes cell phones, pagers, etc. These are not allowed during class time. If special needs exist, please make prior arrangements.

Sleeping in class.

Talking in class. Class time is not the time to visit with your fellow classmates. If you do, I will ask you to leave the classroom.

Using headphones. If you do, I will ask you to leave the classroom.

Use of profane or inappropriate gestures and/or language.

Clothing that shows too much skin or t-shirts with un-appropriate language/pictures

Use of any tobacco or spitting sunflower seeds in the classroom.

Computers and cell phones are to be left in your dorms or vehicles. Do not bring into the classroom.

Classroom Conduct:

Failure to comply with lawful direction of a classroom instructor is a disruption for all students enrolled in the class. Cheating violations include, but are not limited to: (1) obtaining an examination, classroom activity, or laboratory exercise by stealing or collusion; (2) discovering the content of an examination, classroom activity, laboratory exercise, or homework assignment before it is given; (3) using an unauthorized source of information during an examination, classroom activity, laboratory exercise, or homework assignment; (4) entering an office or building to obtain unfair advantage; (5) taking an examination for another person; (6) completing a classroom activity, laboratory exercise, homework assignment, or research paper for another person; (7) altering grade records; (8) using any unauthorized form of electronic communication device during an examination, classroom activity, or laboratory exercise; (9) Plagiarism. Plagiarism is the using, stating, offering, or reporting as one's own, an idea, expression, or production of another person without proper credit.

Disciplinary actions for cheating in a course are at the discretion of the individual instructor. The instructor of that course will file a report with the Dean of Students when a student is caught cheating in the course, whether it be a workforce or academic course. The report shall include the course, instructor, student's name, and the type of cheating involved.

Students who are reported as cheating to the Dean of Students will receive an F for the class.

American with Disabilities Act Statement:

Clarendon College provides reasonable accommodations for persons with temporary or permanent disabilities. Should you require special accommodations, notify the Office of Student Services (806-874-3571 or 800-687-9737). We will work with you to make whatever accommodations we need to make.

Dropping a Course:

A student who is enrolled in a developmental course for TSI purposes may not drop his/her only developmental course unless the student completely withdraws from the college. A student may drop any other course with a grade of "W" any time after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last day to drop a class of a term as designated in the college calendar. The request for permission to drop a course is initiated by the student by procuring a drop form from the Office of Student Services. (Refer to other policies concerning this issue in the current college catalog online.)

According to Texas state law a student is only allowed to drop the same class twice before he/she will be charged triple the tuition amount for taking the class a third time or more. Furthermore, beginning with the Fall 2007 semester, students in Texas may only drop a total of 6 courses throughout their entire undergraduate career. After the 6th dropped class, he/she will no longer be able to withdraw from any classes.

Withdrawal from College:

When a student finds it necessary to withdraw from school before the end of the semester, he or she should obtain a withdrawal form from the Office of Student Services. Students may also withdraw from the college by sending a written request for such action to the Registrar's Office. The request must include the student's signature, the student's current address, social security number and course information details. Students who withdraw after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last day to drop a class of a term as designated in the college calendar will be assigned a grade of "W."

Attendance Policy:

Please take class attendance seriously for class is mandatory. You are here to learn all you can learn, to build a body of knowledge to help you in your career and/or to give you satisfaction in the future. Students who are motivated come to class. You are responsible for the material covered in class (lecture or lab) even if you are absent. Class attendance is NOT optional.

Excused absences will require 1) an e-mail from your coach with your name listed stating you will miss for school activities, 2) a note from the doctor with your name on it, 3) an obituary with your name listed as next of kin, or 4) severe illness or death in your immediate (not extended) family: note from Dean of Instruction. (Note: Notes from Mamma and Daddy do not count as an excused absence)

Important Dates:

Spring Break March 12th – 16th

Easter Break April 6 – 9th

Last Day to drop with a W Thursday, April 13th

Final Exams May 7th – 10th

Tentative Course Schedule/Outline: Exact Problems in each section is found in your MathXL.

Chapter 1: Adding, subtracting, Multiplying and dividing whole numbers

Chapter 2: Multiplying and dividing fractions and mixed numbers with and without like denominators.

Chapter 3: Adding and subtracting fractions and mixed numbers with and without like denominators.

Chapter 4: Add, Subtract, Multiply and Divide Decimals

Chapter 5: Ratios and Proportions

Chapter 6: Percents and Interest

Chapter 7: Area, Volume, and perimeter of Geometrical shapes

Chapter 8: Circle, Bar and line graphs

Chapter 9: Adding , Subtracting, multiply and divide real numbers

Comment:

Dates for assignments may be changed at the discretion of the instructor. No assignments will be opened after the due day below unless the instructor feels it needs to be re-opened for the whole class due his/her necessity to cancel a class.