INSTRUCTOR’S INFORMATION
(Instructor reserves the right to amend this information as necessary.)

Semester and Year: Spring 2015
Meeting Dates: January 20 to March 20, 2015
Section: 93419
Class time and days: MTWRFSU; eCampus; ConnectPlus (Mcgraw-Hill)
Room: Online
Instructor: Mrs. L.C. Green
Contact Info: Email: LCugtas-Green@dcccd.edu (the best way to contact me)
A110 - ACCESS office 972-238-6140 for messages only

Last date to withdraw: February 28, 2015
Final Exam Day and time: By the close of the Testing Center on March 20, 2015
Connect Plus Course key: Online through ecampus available on January 20, 2015
(Registration Dates: January 20 to 26, 2015)

Evaluation Procedures: Grade will be determined by the accumulation of points. The points are distributed as follows:

Orientation Assignment 2% (20 points) (NO MAKE-UP-NO EXCEPTIONS)
Eight (8) Discussion Boards 8% (80 points) (NO MAKE-UP-NO EXCEPTIONS)
Review Quizzes 1, 2, 3 15% (150 points) (NO MAKE-UP QUIZ-NO EXCEPTIONS)
Eight (8) ConnectPlus Homework’s 12% (120 points) (NO MAKE-UP HOMEWORK-NO EXCEPTIONS)
Test 1 ONLINE 9% (90 points) (NO MAKE-UP TEST-NO EXCEPTIONS)
Test 2 TEST CENTER 12% (120 points) (NO MAKE-UP TEST-NO EXCEPTIONS)
Test 3 ONLINE 9% (90 points) (NO MAKE-UP TEST-NO EXCEPTIONS)
Five (5) Group Projects 10% (100 points) (NO MAKE-UP PROJECT-NO EXCEPTIONS)
Comprehensive Final Exam TEST CENTER 23% (230 points) (NO MAKE-UP FINAL EXAM-NO EXCEPTIONS)

Grades are assigned according to the following points scale:

A: (895-1000); B: (795-894); C: (695-794); D: (595-694); F: (0-594)

Please remember, for this course, grades are NOT given, grades are EARNED. If you need an “A” or “B” or “C” for the semester in this course, then it is your responsibility to EARN those grades by performing the work (based on the outline stated above), to the best of your ability.
Attendance Policy: In order to be successful, students must attend and participate in enrolled courses. You must complete the “orientation” assignment by 11:59 pm on Wednesday, January 21, 2015. In eCampus course menu, click the “Start Here” tab; Follow Step by Step directions. Download the Information Sheets and return your FULLY COMPLETED information sheets to me, BY EMAIL ONLY, by 11:59 pm (CST) on or before Wednesday, January 21st.

Detailed instructions on Daily Assignments, Homework, Quizzes, Group Projects, Tests, etc. are found in the Course Syllabus folder posted in ecampus, available on Tuesday , January 20, 2015.

Required Materials:

2. A graphing calculator is required. Any calculator from the TI-83 or TI-84 families is recommended. However, it should be one without a computer algebra system or algebraic manipulation ability.

Class Calendar: Tentative units of instruction and tentative class calendar: This course covers chapters 1, 2, 3, 4, 5 & 6. All assignments are due by 11:59 PM on the due date.

Detailed Weekly Instruction and Supplemental Resources for each chapter/section in power point presentations and video clips are found in “Weekly Instructions” folder in Ecampus.

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<tr>
<th>Week</th>
<th>Sections to Cover</th>
<th>Due Date (s)</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>During this week, you are to focus on familiarizing yourself with ecampus. Moreover, you are very comfortable with the McGraw-Hill Connect Plus software by going through the orientation tutorials and attempting to start the online tutorials for specified sections in Chapter 1. Practice assignments for each chapter as well as homework 1 are already available. By the end of Week 1, TECHNICAL ISSUES WILL NOT BE AN EXCUSE FOR MISSED ONLINE HOMEWORK ASSIGNMENTS.</td>
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<tr>
<td>January 20-25</td>
<td>Orientation Assignment</td>
<td>January 21</td>
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<td>Discussion Forum 1</td>
<td>January 23</td>
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<td>Homework 1</td>
<td>January 24</td>
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<td>Connect Registration Ends</td>
<td>January 25</td>
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<td>Submit through McGraw-Hill’s Connect Plus online</td>
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| Week 2 | January 26 to Feb. 1 | Chapter 1 - Problem Solving  
1.2 Patterns and problem solving  
1.3 Problem solving with Algebra | Discussion 2 due: January 28  
Homework 2 due: January 31  
Submit through McGraw-Hill’s Connect Plus (online) |
|---|---|---|---|
| Week 3 | February 2 to 8 | Chapter 2 - Sets, Functions, and Reasoning  
2.1 - Sets and Venn Diagrams  
2.2 - Functions, coordinates, and graphs  
2.3- Introduction to deductive reasoning | 1st Group Project due: February 3  
Submit through ecampus  
Discussion Forum 3 due: Feb. 4  
Review Quiz 1 due: Feb. 5  
Homework 3 due: February 7  
Test 1 to be completed either on Friday, February 6 or Saturday, February 7. |
| Week 4 | February 9 to 15 | Chapter 3 - Whole numbers  
3.1 Numeration System  
3.2 Addition and Subtraction  
3.3 Multiplication  
3.4 Division and Exponents | 2nd Group Project due: Feb. 10  
Submit through ecampus  
Discussion 4 due: February 11  
Homework 4 due: February 14 |
| Week 5 | February 16 to 22 | Chapter 4- Number Theory  
4.1 Factors and Multiples  
4.2 Greatest Common Factor and Least Common Multiple  
Review Quiz 2 | 3rd Group Project due: February 17  
Discussion 5 due: February 18  
Review Quiz 2 due: February 19  
Test 2 can be taken Friday, Feb. 20 or Saturday, Feb. 21, check Test Center schedule  
Homework 5 due: February 21 |
| Week 6 | Chapter 5- Integers and Fractions  
5.1 Integers  
5.2 Introduction to fractions  
5.3 Operations with Fractions | 4th Group Project due: February 24  
Discussion 6 due: February 25  
Homework 6 due: February 28 |
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<td>February 23 to March 1</td>
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| Week 7 | Chapter 6 Decimals: Rational and Irrational Numbers  
6.1 Decimals and Rational Numbers  
6.2 Operations with Decimals  
6.3 Ratio, Percent, and Scientific Notation  
6.4 Irrational and Real numbers | 5th Group Project due: March 3  
Discussion 7 due: March 4  
Review Quiz 3 due: March 5 |
| March 2 to 8 | Test 3 is ONLINE covering chapters 5 & 6  
Test 3 results will be posted within eCampus sometime after the 3/7 deadline and before 3/10. NO Student Test 3 will be graded before the deadline |
| | Test 3 to be completed either Friday, March 6 or Saturday, March 7  
Homework 7 due: March 7 |
| | |
| S P R I N G B R E A K | |
| | March 9 -13, 2015 |
| Week 8 | -Review for Final Exam  
The Final Exam is comprehensive. It will be based on the problems found in all 3 previous quizzes and tests. Final Exam grades will be posted within eCampus sometime after the 3/20 deadline and before 3/23. No Final Exam paper will be graded before the deadline. Final Semester grades will be posted within eCampus before 3/25. The Final Exam will be available starting March 18 and must be taken by the close of Testing Center on Friday, March 20. | Will be available on March 8  
Homework 8 due: March 16  
Discussion 8 due: March 16  
Comprehensive Final Examination must be taken by the close of Testing Center on Friday, March 20, 2015 |
| March 15 to 20 | | |
Instructor Policies and Suggestions for Student Success: Student should take responsibility for their own learning. They should personally:
- be actively engaged with materials and with the process of education;
- build own knowledge and skills (Teacher will guide the student the materials and procedures, but the learning is up to the student);
- Participate in discussions, collaborate with the group and be a good team player.

Note: Detailed Instructor Policies and Suggestions for Student Success are found in Course Syllabus folder posted in ecampus, available on Tuesday, January 20, 2015.

Academic Dishonesty

Academically dishonest behavior is, in general, the representation of another’s work as one’s own. This includes unauthorized collaboration between students, and on exams it includes using books, notes, or other unauthorized materials or websites during the exam. Students who behave in academically dishonest ways may have their grade penalized, or be subject to disciplinary action by the Dean of Students. Students who collaborate during exams or use unauthorized materials or websites on exams may, at the instructor’s discretion, have the exam grade lowered or be given a grade of zero. In the instance that a student is given the grade of zero on an online tests, the right of having this grade replaced with the Final Exam grade is forfeited. Students who are academically dishonest on the Final Exam may, at the instructor’s discretion, have the grade lowered, be given a grade of zero on the final, or be given the grade of F in the course.

College Policies and Procedures:

For Institution Policies, please refer to Richland College Institution Policies (http://www.richlandcollege.edu/syllabusinfo/)

RICHLAND COLLEGE’S QUALITY ENHANCEMENT PLAN – LEARNING TO LEARN: DEVELOPING LEARNING POWER:

Richland College is piloting its Quality Enhancement Plan (QEP) in select classes. The QEP provides techniques, practices, and tools to help students develop the habits, traits or behaviors needed to be effective and successful lifelong learners in college and in life. For more information, please check QEP 2013 (http://www.richlandcollege.edu/qep)

ACADEMIC PROGRESS: Students are encouraged to discuss academic goals and degree completion with their instructors. Specific advising is available throughout the semester. Check Richland College Steps to Success (http://www.richlandcollege.edu/admissions/process.php)

CATALOG COURSE DESCRIPTION

Concepts of sets, functions, numeration systems, number theory, and properties of the natural numbers, integers, rational, and real number systems with an emphasis on problems solving and critical thinking. This course is designed specifically for students who seek elementary and/or middle grade teacher certification.

PREREQUISITES

Math 1314 or the equivalent.
COURSE OBJECTIVES:
The specific objectives are to:
1. Develop problem solving skills with respect to problems presented in grades 4 – 8 mathematics
2. Develop the foundation for and the understanding of arithmetic of whole numbers
3. Develop the foundation for and the understanding of arithmetic of integers
4. Develop the foundation for and the understanding of arithmetic of fractions/rational numbers
5. Develop the foundation for and the understanding of arithmetic of decimals
6. Experience the use of manipulatives that will be used in the grades 4-8 classroom
7. Develop a foundation for the concept of function

CORE INFORMATION
Math 1350 is a core course for Core 2014. It is in the Foundational Component Area of Mathematics. Courses in this category focus on quantitative literacy in logic, patterns, and relationships. Courses involve the understanding of key mathematical concepts and the application of appropriate quantitative tools to everyday experience.
The following core objectives will be addressed and assessed through the content covered in this course:
- Critical Thinking Skills: to include creative thinking, innovation, inquiry, and analysis, evaluation and syntheses of information
- Communication Skills: to include effective development, interpretation and expression ideas through written, oral and visual communication
- Empirical and Quantitative Skills: to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

SPECIFIC CONTENT COVERAGE FOR THIS COURSE

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