



SYLLABUS

for

MATH 1010: Intermediate Algebra (4 Credits)

Course Begins: August 26, 2008 Course Ends: December 19, 2008

INSTRUCTOR: **Gordon Russell**

OFFICE: **HUR 102**

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E-mail: **russell@dixie.edu**

PHONE **(H): 635-9314**

OFFICE HOURS: 3:00-4:00 (M to Th) TUTOR TIMES to be **ARRANGED** in **CLASS**

A. PREREQUISITE

The prerequisite for Math 1010 is an ACT/DCAT score of 18 to 23.

B. REQUIRED TEXTBOOK and SUPPLIES

The textbook for this course is titled *INTERMEDIATE ALGEBRA 5th. EDITION* by K Elayn Martin-Gay at a cost of about \$130.00. The student solutions manual and a computer tutor package are available but not required. A scientific or graphing calculator is required for this course.

C. COURSE OBJECTIVES

All mathematics classes at DIXIE COLLEGE will:

1. Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and/or calculus techniques.
2. Provide students with application problems that use a variety of methods including arithmetical, algebraic, and geometric.
3. Challenge students to make inferences from mathematical models that include formulas, graphs, and tables.
4. Provide students with real-life applications that use a variety of mathematical functions.

Upon successful completion of MATH 1010, a student will demonstrate through testing the ability to:

1. Perform basic mathematical operations on rational numbers with and without a calculator, including fractions, percents, and decimals.
2. Use algebraic processes to solve algebraic equations in one, two, and three unknowns.
3. Demonstrate the concept of equivalence including the use of variables to define relationships.
4. Work with functions that serve as models of real-world problems including polynomial, quadratic, exponential, and logarithmic functions.

Cellular Phones may NOT be used in this classroom for any reason.

Unit Tests: There will be six unit tests worth 100 points each. Read the Activity and Assignment Schedule and be aware of all test dates. I will replace your lowest test score at the end of the semester with half of your Final Exam Score. **If an emergency arises on test day, call your instructor and talk to him/her personally ASAP.**

Quizzes: Quizzes will have problems taken from or be similar to the homework on any sections covered since the last test. **Quizzes cannot be made up for any reason.**

Homework: Homework is assigned daily and is due the next class meeting. Absenteeism is no excuse for not having the homework done on time. The Activity and Assignment Schedule gives sections to be covered each day and the specific assignment. All significant steps for each problem must be shown, numbered and neatly, or credit will not be given. Each section's homework will be worth 3 points. Late homework will receive 2 points and must be turned in before taking the test.

Final Exam: A comprehensive Final Exam worth 200 points will be taken in accordance with DSC's Final Exam Schedule. A written request must be filed with the Dean to change the date or time of the Final Exam.

Class Structure: Most classes will have quizzes given, new material presented, old material reviewed, and assignments collected. Some days may be entirely devoted to answering questions and group work. These days are especially valuable for test preparation.

Dishonesty: Dishonesty will not be tolerated in any form. Any student cheating on a test will receive a zero for that test. Giving as well as receiving information is dishonest.

Attendance/Participation: Points will be given for participation and can only be earned if you are In attendance.

Policy for Absences Related to College Functions:

<http://www.dixie.edu/humanres/policy/sec5/523.html>.

Disability Resource Center: If you are a student with a medical, psychological or a learning difference and requesting reasonable academic accommodations due to this disability, you must provide an official request of accommodation to your Professor(s) from the Disability Resource Center within the first two weeks of the beginning of classes. Students are to contact the Center on the main campus to follow through with, and receive assistance in the documentation process to determine the appropriate accommodations related to their disability. You may call (435) 652-7516 for an appointment and further information regarding the Americans with Disabilities Act (ADA) of 1990 per Section 504 of the Rehabilitation Act of 1973.

Library: A copy of the text for in-house use only is at the Reserve Desk in the Library. This copy has the answers to all the even and odd numbered problems. For more information concerning the library and hours of operation go to <http://library.dixie.edu/>.

Writing Center: The Writing Center is located on the first floor of the Browning Learning Resource Center if you need assistance with a written assignment in any class. For more information go to http://new.dixie.edu/english/dsc_writing_center.php.

Tutoring Center: The Tutoring Center is located on the first floor of the Browning Learning Resource Center. Drop-in mathematics tutoring is available. The tutoring schedule is posted at the sign-in desk in the Tutoring Center. More information is at <http://dsc.dixie.edu/tutoring/index.htm>.

Testing Center: <http://new.dixie.edu/testing/>.

Computer Lab: The Computer Lab is located in the Smith Computer Center. For more information go to <http://new.dixie.edu/cit/cis/>.

Respect for Others: Please plan to arrive on time and be prepared to work. Feel free to offer your opinions and questions to the class, but do not carry on side discussions. Cell phones should be turned off during class and please refrain from text messaging. In general, students may not engage in an activity which the instructor deems disruptive or counter-productive to the goals of the class.

WRITE A PAPER: The paper should discuss where math is used in your major. It should have a title, contain at least four references, be double spaced and at least three pages in length. The purpose is to help you focus on your future goals. At least two of your references must be interviews. It may be turned in anytime before the scheduled time on the calendar.

If you need additional help, videos and instructors annotated textbook can be viewed in the library. We may set up additional times for this class.

SUCCESS is determined mainly by your ATTITUDE and PERFORMANCE, not your talent or potential.

Grading as Follows:

1. Homework(3pts./day)	140	A	94-100	C	73-77
2. Tests(100 pts./test)	600	A-	90-94	C-	69-73
3. Quizzes(5 pts./quiz)	100	B+	87-90	D+	64-69
4. Class Participation(2 pts/day)	60	B	83-87	D	55-64
5. Paper	100	B-	80-83		
6. Final Exam	200	C+	77-80	F	Below 55
TOTAL POINTS	1200				

Please Note: If it is in the best interest of this class to change anything listed, it will be announced in class and you will be expected to follow the changes.

My anticipated grade for this class _____.

GRADE RECORD If I make an error in my records concerning your grade, that error must be verified by you with your records in order to provide the necessary changes. The following worksheet may help you:

<u>TEST</u>	<u>QUIZ</u>	<u>HOMEWORK</u>			
1. _____	_____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____	_____
<u>Final</u>	_____				

TEST TOTAL

QUIZ TOTAL

HOMEWORK TOTAL

OTHER POINTS

TOTAL POINTS

GRADE PERCENT

FINAL GRADE

%

"Do not worry about your difficulties in mathematics; I can assure you that mine are still greater"

Albert Einstein



CRN #41104 and 41103 **MATH 1010-01H and 50H** (4 credits) Pre-requisite: ACT score 19+

Fall 2009 Schedule(T&Th) Hurricane Campus Room 110 Time: 9:00-10:40 and 4:00-5:40 p.m.

Inst: Prof. Gordon Russell E-mail: russell@dixie.edu Phone: **652-7918(O) 635-9314(H)**

All assignments are due the day after they appear on this schedule.

Changes in this schedule may occur if deemed necessary by the instructor except for the time and date of the FINAL EXAM
If you cannot take the final exam at the scheduled time, you must secure permission from the Dean to change the date and/or time. He will require a 250 word essay explaining the reason for the change. I am not authorized to make the change.

MON	TUES	WED	THUR.	FRI
Aug.24	25 Introductions 2.1(5-65)/5 2.2(5-65)/5&43,80	26(Last Day to Add WOTS)	27 2.3(5-40)/5&31,51 2.4(5-75)/5	28
31(Drop Fee \$10)	Sept. 1 2.5(5-80)/5 2.6(5-80)/5 2.7(5-80)/5	2	3 Review for Test # 1 Test # 1(Out of Class; Due Sept. 8)	4
7 No School Labor Day	8 3.1(5-75)/5 (\$50 late fee) 3.2(5-85)/5	9	10 3.3(5-75)/5 3.4(5-75)/5 3.5(5-75)/5	11
14(Last Day for Refund)	15 4.1(5-45)/5 (Drop for nonpayment) 4.2(1,3,5,9)	16	17 4.3(5-35)/5 Review for Test # 2 Test # 2 (Due Sept. 21)	18(Last Day to Add)
21	22 5.1(5-100)/5 5.2(5-80)/5	23	24 5.3(5-85)/5&111,113,119 5.4(5-85)/5&83	25
28	29 5.5(5-75)/5 5.6(5-80)/5	30	Oct.1 5.7(5-65)/5 5.8(5-75)/5	2
5	6 Review for Test # 3 Test # 3 (Due Oct. 12)	7	8 6.1(5-80)/5 6.2(5-75)/5	9
12	13 6.3(5-40)/5&56,57 6.4(1,3,5,9,30)	14	15 Semester Break (No Class)	16 (No Class)
19(Last Day to Drop)	20 6.5(5-55)/5 6.6(5-60)/5&31	21	22 6.7(5-50)/5 Review for Test # 4 Test # 4 (Due Oct. 26)	23
26	27 7.1(5-80)/5 7.2(5-85)/5	28	29 7.3(5-85)/5 7.4(5-85)/5	30
Nov.2	3 7.5(5-75)/5 7.6(5-65)/5	4	5 7.7(5-80)/5 8.1(3-42)/3&75,77,81,83	6
9	10 8.2(3-42)/3&51,55,63,64 8.3(3-42)/3&49,57,61,63	11	12 Review for Test # 5 Test # 5 (Due Nov. 16)	13(Last Day for Complete Withdrawal)
16	17 Career Day	18	19 9.1(3-39)/3 9.2(3-39)/3	20
23	24 9.3(5-50)/5 9.4(5-70)/5 (Paper Due Today)	25 No Class	26 No Class (Thanksgiving)	27 No Class
30	Dec.1 9.5(5-60)/5 9.6(5-60)/5	2	3 9.7(5-60)/5 Review for Test # 6	4
7	8 Test # 6 (In Class)	9	10 Review for Final	11
14 Finals	15 FINAL EXAM 8:00 – 10:00 A.M. 4:00 – 6:00 P.M.	16 Finals	17 Finals	18 Finals

CELL PHONES CANNOT BE USED IN THE CLASSROOM FOR ANY REASON