



FALL SYLLABUS

for

MATH 1050: College Algebra/Pre-Calculus (4 Credits)

Course Begins: Aug.22, 2011 Course Ends: Dec.16, 2011

INSTRUCTOR: **Prof. Gordon Russell**

OFFICE: **HUR 102**

PHONE: **(O) 652-7918**

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

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

OFFICE HOURS: 3:00-3:50 (M to Th) TUTOR TIMES to be **ARRANGED** in **CLASS**

PREREQUISITE

The prerequisite for Math 1050 is an ACT/DCAT score of 23 or higher or a grade of C or better in Math 1010.

REQUIRED TEXTBOOK and SUPPLIES

The textbook for this course is titled *COLLEGE ALGEBRA 10th.EDITION*

by Lial, Hornsby, and Schneider at a cost of about \$140.00. The student solutions manual and a computer tutor package are available but not required. A scientific or graphing calculator is required for this course.

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 processes.

Upon successful completion of MATH 1050, a student will demonstrate through testing the ability to:

1. Apply functional notation.
2. Determine symmetries that exist in the graph of an equation.
3. Graph polynomial functions, find their intercepts, find maxima, and minima.
4. Analyze the key components of a graph of polynomial and rational functions.
5. Compute the composition and inverses of functions.
6. Graph exponential and logarithmic functions.
7. Apply properties of exponents and logarithms to simplify expressions and solve equations.
8. Solve systems of linear equations by substitution, elimination, matrices, and Cramer's Rule.
9. Perform matrix arithmetic, including determinants.
10. Solve non-linear systems of equations and inequalities.
11. Find terms and sums of terms of arithmetic and geometric sequences and series.
12. Compute the terms of a binomial expansion.

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 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 reduced points and must be turned in before taking the next 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: Americans with Disabilities Act (ADA) Statement:

Students with medical, psychological, learning or other disabilities desiring reasonable academic adjustment, accommodations, or auxiliary aids to be successful in this class will need to contact the DISABILITY RESOURCE CENTER Coordinator (Baako Wahabu) for eligibility determination. Proper documentation of impairment is required in order to receive services or accommodations. DRC is located at the ground floor of the Financial Aid Office. Visit or call 652-7516 to schedule appointment to discuss the process. DRC Coordinator determines eligibility for and authorizes the provision of services

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. Instructors have the responsibility to remove offending students from the class. Repetition of offensive behavior may result in expulsion .

Changing your schedule: It is your responsibility, as the student, to ensure the accuracy of your class schedule. Be sure to check at the beginning of the semester and after every change you make to your schedule. Run a hard copy and keep it!

Dmail: We have transitioned your email account on rebelmail.dixie.edu to dmail.dixie.edu. This new system, powered by Google, will provide Gmail to our school, as well as a suite of other Google products that will enable our organization to better communicate, share, and collaborate.

Gigabytes of email storage. No more worries about having to delete mail.

Instant messaging from right within your mailbox & free PC-to-PC voice calls.

Google Calendar to schedule meetings, create events, and share calendars with others.

Google Docs to create and share documents, spreadsheets and presentations online.

Your own personalized Start Page, where you can access all these services.

Access to your information from anywhere with an internet connection. You can also access your email with a mobile device.

Your old email address will continue to work, but all messages will be delivered to your NEW dmail account at <http://dmail.dixie.edu>. You will still have access to your old messages and address book on the rebelmail server at <http://rebelmail.dixie.edu>.

Withdrawing from or dropping a class: If you never attend a class, the instructor may withdraw you from it. If you attend even one day, the instructor cannot withdraw you from the class. You should take care of that transaction for yourself by going to the registration window. If you quit attending and do not withdraw from the class, you will receive a F or WF which averages into your GPA as an F.

Complete Withdrawal: Dropping all classes by phone or online does not withdraw you from the college and you may receive all F's. You must contact the Advisement Center, complete a withdrawal form, and surrender your student ID card.

Important Dates: <http://dixie.edu/reg/?page=calendar>

August 22 Classes Begin
 August 24 Last Day to Add Without Signature
 August 29 Drop/Audit fee begins (\$10 per class)
 September 5 Labor Day holiday – no classes
 September 6 \$50 Late Registration/Payment Fee
 September 12 Last Day for Refund; Pell Grant Census; Last day to drop without “W” grade
 September 13 Courses dropped for non-payment
 September 16 Last Day to Add Classes
 October 13-14 Semester Break
 October 17 Last Day to Drop/Audit
 November 11 Last Day for Complete Withdrawal
 November 15 Career Day
 December 9 Classwork ends
 December 12-16 Final Exams

Final Exam Schedule

Daily, MWF, MW, M Only Class Time	Exam Time	TR, T Only Class Time	Exam Time	Daily, MWF, MW, M Only Class Time	Exam Time	TR, R Only Class Time	Exam Time	Daily, MWF, MW, M Only Class Time	Exam Time
9:00	10:00- 12:00	7:30/8:00	7:00-9:00	7:00	7:00-9:00	9:00	8:00- 10:00	8:00	7:30-9:30
12:00	12:30- 2:30	10:30	9:30- 11:30	10:00	9:30- 11:30	12:00	11:00- 1:00	11:00	10:00- 12:00
3:00	3:00-5:00	1:00	12:30- 2:30	1:00	12:00- 2:00	2:30	2:00-4:00	2:00	12:30- 2:30
MW or M Only Classes		TR, T Only		Wed Only Classes		Thur Only Classes		Fri Only Classes	
5:00	5:00	4:00	3:00-5:00	4:00	2:30-4:30	5:00	5:00	5:00	5:00
7:30	7:30	5:00	5:00	5:00	5:00	7:30	7:30	7:30	7:30
		7:30	7:30	7:30	7:30				

Changes: Although unlikely, this syllabus and/or the assignment schedule may be changed if deemed necessary by the instructor. All changes will be announced in class and/or sent to your email.



MATH 1050-05H and 51H (4 credits)

Fall 2011 Schedule: Course Begins Aug 22, 2011 - Course Ends Dec.16, 2011

Pre-requisite: ACT of 23+ or "C" or higher in Math 1010

CRN #45118 Time: 9:00-10:40(M&W) Hurricane Campus Room 110 Crn #45121 Time: 6:00-7:40(M&W)

Inst.:Prof. Gordon Russell e-mail:russell@dixie.edu Phone: **652-7918(w) 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 seek 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 cannot make the change.*

MON	Tues	WED	THUR	FRI
Aug.22 Class Procedures	23	24 <u>(Last day to WOTS)</u> R.3(10-90)/5 R.4(5-100)/5	25	26
29 R.5(5-65)/5 (<u>Drop Fee \$10</u>) R.6(5-105)/5	30	31 R.7(5-85)/5 Review for Test #1 Test #1 (out of class) due by Sept 6th)	Sept. 1	2
5 No School (Labor Day)	6 (\$50Late registration fee)	7 1.1(10-65)/5 1.2(15-39)/3	8	9
12 (Last Day for Refund) 1.3(15-90)/5 1.4(10-80)/5	13 (Drop for non payment)	14 1.5(9-45)/3 1.6(5-85)/5	15	16 Last Day to ADD
19 1.7(15-75)/5 1.8(15-65)/5	20	21 Review for Test # 2 Test # 2 (Due by Sept. 26)	22	23
26 2.1(15-60)/5 2.2(3-27)/3	27	28 2.3(15-80)/5 2.4(5-65)/5	29	30
Oct 3 2.5(5-60)/5 2.6(11-39)eoo	4	5 2.7(5-65)/5 2.8(5-85)/5	6	7
10 Review for Test # 3 Test # 3(Due by Oct. 12)	11	12 3.1(5-50)/5 Mid Term 3.2(5-50)/5	13 Fall	14 Break
17 3.3(5-55)/5 (Last Day To Drop) 3.4(21-61)eoo	18	19 3.5(11-39)eoo 3.6(11-39)eoo	20	21
24 6.1(5-40) & 53 6.2(1-21)eoo & 48	25	26 6.3(5-21)/3 Review for Test # 4	27	28
31 TEST # 4 (Given in Class)	Nov. 1	2 4.1(35-80)/5 4.2(25-80)/5	3	4
7 4.3(5-85)/5 4.4(5-50)/5 & (61-66)all	8	9 4.5(5-75)/5 4.6(5-40)/5	10	11 (Last Day For Complete Withdrawal)
14 Review for Test # 5 Test # 5(Due by Nov. 18th)	15 Career Day	16 5.1(5-35)/5 & 47,51 5.3(5-45)/5 & 61,63,65	17	18
21 5.5(5-35)/5 & 47,51 5.6 (5-50)/5 & 71,75	22	23 Thanksgiving Break	24 T.B.	25 T.B.
28 7.1(5-55)/5 7.2(5-60)/5 & 69,73 7.3(5-45)/5 & 64	29	30 7.4(5-45)/5 7.6(13-30)eoo 7.7(1-29)eoo	Dec. 1	2
5 Review for Test # 6 Test # 6(Due Dec. 9)	6	7 Review for Final Exam	8	9
12 FINAL EXAM (10:00 -- 12:00)for (9:00 class) (6:00 – 8:00) for (6:00 class)	13 Finals	14 Finals	15 Finals	16 Finals

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

ATTITUDES

"The longer I live, the more I realize the impact of attitude on life. Attitude, to me, is more important than facts. It is more important than the past, than education, than money, than circumstances, than failures, than success, than what other people think say or do. It is more important than appearance, giftedness, or skill. It will make or break a company... a church... a home. The remarkable thing is we have a choice everyday regarding the attitude we will embrace for that day. We cannot change our past...we cannot change the fact that people will act in a certain way. We cannot change the inevitable. The only thing we can do is play on the one string we have, and that is our ATTITUDE... I am convinced that life is 10% what happens to me and 90% how I react to it. And so it is with you... We are in charge of our ATTITUDES."

Charles Swindoll

Grading as Follows:

1. Homework(3 pts/sec.)	140	A	94-100	C	70-75
2. Tests(100 pts/test)	600	A-	90-94	C-	65-70
3. Quizzes(5 pts/quiz)	100	B+	87-90	D+	60-65
4. Class Participation(2 pts/day)	60	B	83-87	D	55-60
5. <u>Final Exam</u>	<u>200</u>	B-	80-83	D-	50-55
		C+	75-80	F	Below 50

TOTAL POINTS 1100

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. _____	_____	_____	_____	_____	_____
F. _____	_____	_____	_____	_____	_____
TEST TOTAL	QUIZ TOTAL	HOMEWORK TOTAL		OTHER POINTS	
<u>TOTAL POINTS</u>	_____	<u>GRADE PERCENT</u>		<u>FINAL GRADE</u>	
_____	_____	_____ %		_____	

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

Albert Einstein