



FALL SYLLABUS

for

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

Course Begins: Aug.24, 2009 Course Ends: Dec.18, 2009

INSTRUCTOR: **Gordon Russell**

OFFICE: **HUR 102**

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OFFICE HOURS: **3:00-4:00 (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 2 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: 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. 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:

Aug 24	Classes Begin	Sep 18	Last Day to Add Classes
Aug 26	Last Day to Add Without Signature	Oct 14	Mid-Term Grades
Aug 31	Drop fee begins (\$10 per class)	Oct 15-16	Semester Break
Sep 7	Labor Day - no classes	Oct 19	Last Day to Drop/Audit
Sep 8	\$50 Late Registration/Payment Fee	Nov 13	Last Day for Complete Withdrawal
Sep 14	Last Day for Refund	Nov 17	Career Day 8am-2pm
Sep 14	Pell Grant Census	Nov 25-27	Thanksgiving Break
Sep 15	Courses dropped for non-payment	Dec 11	Class work Ends

Final Exam Schedule

Mon - Dec 14	Tue - Dec 15	Wed - Dec 16	Thu - Dec 17	Fri - Dec 18
Daily, MWF, MW, M Only	TR, T Only	Daily, MWF, MW, M Only	TR T Only	Daily, MWF, MW, M Only
Class Time	Class Time	Class Time	Class Time	Class Time
Exam Time	Exam Time	Exam Time	Exam Time	Exam Time
9:00	7:30/8:00	7:00	9:00	8:00
12:00	10:30	10:00	12:00	11:00
3:00	1:00	1:00	2:30	2:00
MW or M Only Classes	TR, T Only	Wed Only Classes	Thur Only Classes	Fri Only Classes
5:00	5:00	5:00	5:00	5:00
7:30	7:30	7:30	7:30	7:30



CRN #41106 and 41321 **MATH 1050-01H and 50H** (4 credits) Pre-requisite: ACT score 23+
 Fall 2009(M&W)) Hurricane Campus Room 110 Time: 9:00-10:40 & 4:00-5:40
 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.24 Class Procedures	25	26 <u>(Last day to WOTS)</u> R.3(10-90)/5 R.4(5-100)/5	27	28
31 R.5(5-65)/5 (Drop Fee \$10) R.6(5-105)/5	Sept.1	2 R.7(5-85)/5 Review for Test # 1 Test #1(out of class due by Sept. 4th)	3	4
7 No School (Labor Day)	8 (\$50 late registration fee)	9 1.1(10-65)/5 1.2(15-39)/3	10	11
14 1.3(15-90)/5 (Last Day for Refund) 1.4(10-80)/5	15 (Drop for non payment)	16 1.5(9-45)/3 1.6(5-85)/5	17	18
21 1.7(15-75)/5 1.8(15-65)/5	22	23 Review for Test # 2 Test # 2 (Due by Sept. 26)	24	25
28 2.1(15-60)/5 2.2(3-27)/3	29	30 2.3(15-80)/5 2.4(5-65)/5	Oct.1	2
5 2.5(5-60)/5 2.6(11-39)eoo	6	7 2.7(5-65)/5 2.8(5-85)/5	8	9
12 Review for Test # 3 Test # 3(Due by Oct. 14)	13	14 3.1(5-50)/5 3.2(5-50)/5	15 Fall	16 Break
19 3.3(5-55)/5 (Last Day To Drop) 3.4(21-61)eoo	20	21 3.5(11-39)eoo 3.6(11-39)eoo	22	23
26 6.1(5-40) & 53 6.2(1-21)eoo & 48 6.3(5-21)eoo	27	28 Review for Test # 4 Test # 4 (Due by Nov. 6)	29	30
Nov. 2 TEST # 4 (Due by Nov. 6) (No Class Today: make -up time for tests taken out of class)	3	4 4.1(35-80)/5 4.2(25-80)/5	5	6
9 4.3(5-85)/5 4.4(5-50)/5 & (61-66)all	10	11 4.5(5-75)/5 4.6(5-40)/5	12	13 (Last Day For Complete Withdrawal)
16 Review for Test # 5 Test # 5(Due by Nov. 20th)	17 C.D.	18 5.1(5-35)/5 & 47,51 5.3(5-45)/5 & 61,63,65	19	20
23 5.5(5-35)/5 & 47,51 5.6 (5-50)/5 & 71,75	24	25 Thanksgiving Break	26 T.B.	27 T.B.
30 7.1(5-55)/5 7.2(5-60)/5 & 69,73 7.3(5-45)/5 & 64	Dec.1	2 7.4(5-45)/5 7.6(13-30)eoo 7.7(1-29)eoo	3	4
7 Review for Test # 6 Test # 6(Due Dec. 9)	8	9 Review for Final Exam	10	11
14 FINAL EXAM (10:00 – 12:00) (6:00 – 8:00)	15 Finals	16 Finals	17 Finals	18 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. _____	_____	_____	_____	_____	_____
<u>TEST TOTAL</u>	<u>QUIZ TOTAL</u>	<u>HOMework TOTAL</u>		<u>OTHER POINTS</u>	
<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