



SPRING SYLLABUS

for

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

Course Begins: Jan.9, 2012 Course Ends: May 4, 2012

INSTRUCTOR: **Gordon Russell**

OFFICE: **HUR 102**

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

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**

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 \$170.00. 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 begin with "Warm Ups" or quizzes, new material presented, old material reviewed, and assignments collected. Some days may be entirely devoted to answering questions. 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:

If you suspect or are aware that you have a disability that may affect your success in the course, you are strongly encouraged to contact the Disability Resource Center(DRC), located in the North Plaza Building. The disability will be evaluated and eligible students will receive assistance in obtaining reasonable accommodations. Phone # 435-652-7516.

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.

Regular Semester Dates

Nov 14	Spring Registration open to Seniors (90+ earned credits)
Nov 15	Spring Registration open to Juniors (60+ earned credits)
Nov 16	Spring Registration open to Sophomores (30+ earned credits)
Nov 17	Spring Registration open to All Students
Jan 9	Classwork Starts
Jan 11	Last Day to Add Without Signature
Jan 16	Martin Luther King Jr. Day
Jan 17	Drop/Audit Fee Begins (\$10 per class)
Jan 24	\$50 Late Registration/Payment Fee
Jan 30	Graduation Application Deadline
Jan 31	Pell Grant Census
Jan 31	Last Day for Refund
Jan 31	Last Day to drop without receiving a "W" grade
Feb 1	Courses dropped for non-payment
Feb 3	Last Day to ADD Classes
Feb 20	President's Day
Feb 27	Mid-Term Grades Due
Mar 2	Last Day to DROP/AUDIT Classes
Mar 12-16	Spring Break
Mar 19	Summer Registration open to Seniors (90+ earned credits)
Mar 20	Summer Registration open to Juniors (60+ earned credits)
Mar 21	Summer Registration open to Sophomores (30+ earned credits)
Mar 22	Summer Registration open to All Students
Apr 6	Last Day for Complete Withdrawal
Apr 16	Fall Registration open to Seniors (90+ earned credits)
Apr 17	Fall Registration open to Juniors (60+ earned credits)
Apr 18	Fall Registration open to Sophomores (30+ earned credits)
Apr 19	Fall Registration open to All Students
Apr 26	Classwork Ends
Apr 27	Final Exams
Apr 30, May 1-3	Final Exams
May 4	Commencement

Block Schedule Dates

Jan 30	Graduation Application Deadline
Feb 20	President's Day
Feb 21	Classwork Starts
Feb 23	Last Day to Add Without Signature
Feb 27	\$50 Late Registration/Payment Fee
Mar 1	Pell Grant Census
Mar 1	Last Day for Refund

Mar 1 Last Day to drop without receiving a "W" grade
 Mar 2 Courses dropped for non-payment
 Mar 5 Last Day to ADD Classes
 Mar 12-16 Spring Break
 Mar 19 Summer Registration open to Seniors (90+ credits)
 Mar 20 Summer Registration open to Juniors (60+ credits)
 Mar 21 Summer Registration open to Sophomores (30+ credits)
 Mar 22 Summer Registration open to all students
 Mar 26 Last Day to DROP/AUDIT Classes
 Apr 6 Last Day for Complete Withdrawal
 Apr 16 Fall Registration open to Seniors (90+ credits)
 Apr 17 Fall Registration open to Juniors (60+ credits)
 Apr 18 Fall Registration open to Sophomores (30+ credits)
 Apr 19 Fall Registration open to all students
 Apr 26 Classwork Ends
 Apr 27 Final Exams
 Apr 30, May 1-3 Final Exams
 May 4 Commencement

Useful Phone Numbers

(435) 652 - XXXX

Problems registering 7708
 8
 Admissions Issues 7706
 Need Advisement 7690
 Tuition question 7605
 Campus Operator 7500

Final Exam Schedule

Fri - April 27	Mon - April 30	Tue - May 1	Wed - May 2	Thur - May 3
Daily, MTWR, MWF, MW, M Only	Daily, MTWR, MWF, MW, M Only	TR, Tue Only	Daily, MTWR, MWF, MW, M Only	TR, Thur Only
Class Time Exam Time	Class Time Exam Time	Class Time Exam Time	Class Time Exam Time	Class Time Exam Time
9:00am 10:00-12:00pm	7:00am 7:00-9:00am	9:00am 8:00-10:00am	8:00am 7:30-9:30am	7:30/8:00am 7:00-9:00am
12:00pm 12:30-2:30pm	10:00am 9:30-11:30am	12:00pm 11:00-1:00pm	11:00am 10:00-12:00pm	10:30am 9:30-11:30am
3:00pm 3:00-5:00pm	1:00pm 12:00-2:00pm	2:30pm 2:00-4:00pm	2:00pm 12:30-2:30pm	1:00pm 12:30-2:30pm
Fri Only Classes	4:00pm 2:30-4:30pm	TR, Tue Only Classes	Wed Only Classes	TR, Thur Only Classes
5:00pm 5:00pm	MW, M Only Classes	5:00pm 5:00pm	5:00pm 5:00pm	5:00pm 5:00pm
7:30pm 7:30pm	5:00pm 5:00pm	7:30pm 7:30pm	7:30pm 7:30pm	7:30pm 7:30pm
	7:30pm 7:30pm			

Final exams for Fri/Sat courses will take place during regularly scheduled class times on April 27th.

DIXIE STATE COLLEGE
Spring 2012 MATH 1050 Classes
For Prof. Gordon Russell

(4 credits) Pre-requisite: ACT score 23+

MATH 1050-07 CRN #24358 (9-10:40am) **MATH 1050-15H** CRN #24373 (4-5:40pm)
Hurricane Campus Room 110

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 Math Dept. to change the date and/or time. They will require a 250 word essay explaining the reason for the change. *I cannot make the change.*

	MON	TUES	WED	THUR	FRI
Jan 9	Class Procedures R.3(10-90)/5	10	11 R.4(5-100)/5 <u>Last Day to Add</u> R.5(5-65)/5 <u>WOTS</u>	12	13
16	Martin Luther King Day	17 Drop Fee \$10	18 R.6(5-95)/5 R.7(5-85)/5	19	20
23	Review for Test # 1 TEST # 1 (Out of Class) (Due by Jan. 28)	24 Late Fee \$50	25 1.1(10-65)/5 1.2(15-39)/3 1.3(17-77)eoo & 83,87	26	27
30	1.4(10-80)/5 (Apply for 1.5(9-45)/3 Graduation) 1.6(5-45)/5	31 Last Day for Refund	Feb.1 1.7(15-65)/5 1.8(15-65)/5 Courses Dropped for Nonpayment	2	3 Last Day To Add a Class
6	Review for Test # 2 TEST # 2 (Due by Feb 11)	7	8 2.1(15-60)/5 2.2(3-27)/3 & 42 2.3(15-80)/5	9	10
13	2.4(5-65)/5 2.5(5-60)/5 2.6(11-39)eoo	14	15 2.7(5-65)/5 2.8(5-85)/5	16	17
20	Presidents Day	21	22 Review for Test # 3 TEST # 3 (Due by Feb. 25)	23	24
27	3.1(5-50)/5 & 54 3.2(5-50)/5 Mid Term	28	29 3.3(5-55)/5 & 73,81,85 3.4(21-61)eoo	Mar.1	2 Last Day To Drop
5	3.5 (37-43) & (64-69) 3.6(11-39)eoo	6	7 6.1(5-40)/5 & 53 6.2(1-17)eoo 6.3(3,7,11,15,17,19,31)	8	9
12	Spring Break	13 S.B.	14 Spring Break	15 S.B.	16 S.B.
19	Review for Test # 4 TEST # 4 (Due Mar.24) (Summer Registration Begins)	20	21 4.1(35-80)/5 4.2(25-80)/5	22	23
26	4.3(5-85)/5 4.4(5-50)/5 & (61-66)all	27	28 4.5(5-50)/5 4.6(5-9,11-13,20,21,27,30)	29	30
Apr.2	Review for Test # 5 TEST # 5 (Due by Apr.7)	3	4 5.1(5-35)/5 & 47,51,(89-97)odd 5.3(5-45)/5 & (61-67) & 55 for A33 5.4(6 & 7)	5	6 Last Day to Withdraw
9	5.5(5-35)/5 & 47,51 5.6(5-45)/5 & 71,75	10	11 7.1(5-55)/5 7.2(5-60)/5 & 69,73	12	13
16	7.3(1-41)eoo & 64 Review for Test # 6 (Fall Registration Begins)	17	18 TEST # 6 (In Class)	19	20
23	7.4 7.6 7.7	24	25 <u>Review for Final</u>	26	27 <u>FINAL EXAM</u> <u>(10:00-12:00)</u>
30	<u>FINAL EXAM</u> <u>(2:30 – 4:30)</u>	May1 Finals	2 <u>Finals</u>	3 <u>Finals</u>	4 Graduation

CELL PHONES MAY NOT BE USED FOR ANY REASON IN THIS CLASS!!!!!!!!!!!!
Success Is Determined Mainly by Your Attitude and Performance NOT your 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(Points vary)	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>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