



SPRING SYLLABUS

for

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

Course Begins: Jan.10, 2011 Course Ends: May 5, 2011

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:

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.

FINAL EXAM SCHEDULE

Fri - Apr 29	Mon - May 2	Tue - May 3	Wed - May 4	Thur - May 5
Daily, MWF, MW, M Only Class Time Exam Time 7:00 7:00-9:00 10:00 9:30-11:30 1:00 12:00-2:00 4:00 2:30-4:30 Fri Only Classes 5:00 5:00 7:30 7:30	Daily, MWF, MW, M Only Class Time Exam Time 8:00 7:30-9:30 11:00 10:00-12:00 2:00 12:30-2:30 MW or M Only Classes 5:00 5:00 7:30 7:30	TR, T Only Class Time Exam Time 9:00 8:00-10:00 12:00 11:00-1:00 2:30 2:00-4:00 TR, Tues Only Classes 5:00 5:00 7:30 7:30	Daily, MWF, MW, M Only Class Time Exam Time 9:00 10:00-12:00 12:00 12:30-2:30 3:00 3:00-5:00 Wed Only Classes 5:00 5:00 7:30 7:30	TR, Thur Only Class Time Exam Time 7:30/8:00 7:00-9:00 10:30 9:30-11:30 1:00 12:30-2:30 Thur Only Classes 5:00 5:00 7:30 7:30

Final exams for Fri/Sat courses will take place during regularly scheduled class times on April 30th

Regular Semester Dates Dates

Nov 15	Registration open to Seniors (90+ credits)
Nov 16	Registration open to Juniors (60+ credits)
Nov 17	Registration open to Sophomores (30+ credits)
Nov 18	Open Registration
Jan 10	Classwork Starts
Jan 12	Last Day to Add Without Signature
Jan 17	Martin Luther King Jr. Day
Jan 18	Drop/Audit Fee Begins (\$10 per class)
Jan 25	\$50 Late Registration/Payment Fee
Jan 31	Graduation Application Deadline
Feb 1	Pell Grant Census
Feb 1	Last Day for Refund
Feb 1	Last Day to drop without receiving a "W" grade
Feb 2	Courses dropped for non-payment
Feb 4	Last Day to ADD Classes
Feb 21	President's Day
Feb 28	Mid-Term Grades Due
Mar 4	Last Day to DROP/AUDIT Classes
Mar 14-18	Spring Break
Mar 21	Summer Reg. open to Seniors (90+ credits)
Mar 22	Summer Reg. open to Juniors (60+ credits)
Mar 23	Summer Registration open to Soph (30+ credits)
Mar 24	Summer Registration open to all students
Apr 1	Last Day for Complete Withdrawal
Apr 11	Fall Registration open to Seniors (90+ credits)
Apr 12	Fall Registration open to Juniors (60+ credits)
Apr 13	Fall Registration open to Soph (30+ credits)
Apr 14	Fall Registration open to all students
Apr 28	Classwork Ends
Apr 29	Final Exams
May 2-5	Final Exams

Block Schedule Dates

Jan 31	Graduation Application Deadline
Feb 21	President's Day
Feb 22	Classwork Starts
Feb 24	Last Day to Add Without Signature
Feb 28	\$50 Late Registration/Payment Fee
Mar 3	Pell Grant Census
Mar 3	Last Day for Refund
Mar 3	Last Day to drop without receiving a "W" grade
Mar 4	Courses dropped for non-payment
Mar 7	Last Day to ADD Classes
Mar 14-18	Spring Break
Mar 21	Summer Registration open to Seniors (90+ credits)
Mar 22	Summer Registration open to Juniors (60+ credits)
Mar 23	Summer Reg. open to Sophomores (30+ credits)
Mar 24	Summer Registration open to all students
Mar 28	Last Day to DROP/AUDIT Classes
Apr 1	Last Day for Complete Withdrawal
Apr 11	Fall Registration open to Seniors (90+ credits)
Apr 12	Fall Registration open to Juniors (60+ credits)
Apr 13	Fall Registration open to Sophomores (30+ credits)
Apr 14	Fall Registration open to all students
Apr 28	Classwork Ends
Apr 29	Final Exams
May 2-5	Final Exams
May 6	Commencement

DIXIE STATE COLLEGE
Spring 2011 MATH 1050 Classes
For Prof. Gordon Russell

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

MATH 1050-07 CRN #24358 (9-10:40am) **MATH 1050-18H** 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 10	Class Procedures R.3(10-90)/5	11	12 R.4(5-100)/5 <u>Last Day to Add</u> R.5(5-65)/5 <u>WOIS</u>	13	14
17	Martin Luther King Day	18 Drop Fee \$10	19 R.6(5-95)/5 R.7(5-85)/5	20	21
24	Review for Test # 1 TEST # 1 (Out of Class Finished by Jan. 29	25 Late Fee \$50	26 1.1(10-65)/5 1.2(15-39)/3 1.3(17-77)eoo & 83,87	27	28
31	1.4(10-80)/5 (Apply for 1.5(9-45)/3 Graduation) 1.6(5-45)/5	1 Last Day for Refund	2 1.7(15-65)/5 1.8(15-65)/5 Courses Dropped for Nonpayment	Feb.3	4 Last Day To Add a Class
7	Review for Test # 2 TEST # 2 Finished be Feb 12	8	9 2.1(15-60)/5 2.2(3-27)/3 & 42 2.3(15-80)/5	10	11
14	2.4(5-65)/5 2.5(5-60)/5 2.6(11-39)eoo	15	16 2.7(5-65)/5 2.8(5-85)/5	17	18
21	Presidents Day	22	23 Review for Test # 3 TEST # 3 Finished by Feb. 26	24	25
28	3.1(5-50)/5 & 54 3.2(5-50)/5 Mid Term	Mar.1	2 3.3(5-55)/5 & 73,81,85 3.4(21-61)eoo	3	4 Last Day To Drop
7	3.5 (37-43) & (64-69) 3.6(11-39)eoo	8	9 6.1(5-40)/5 & 53 6.2(1-17)eoo 6.3(3,7,11,15,17,19,31)	10	11
14	Spring Break	15 S.B.	16 Spring Break	17 S.B.	18 S.B.
21	Review for Test # 4 TEST # 4 Finished be Mar.26	22	23 4.1(35-80)/5 4.2(25-80)/5	24 Summer Registration	25
28	4.3(5-85)/5 4.4(5-50)/5 & (61-66)all	29	30 4.5(5-50)/5 4.6(5-9,11-13,20,21,27,30)	31	Apr.1 Last Day to Withdraw
4	Review for Test # 5 TEST # 5 Finished by Apr.9	5	6 5.1(5-35)/5&47,51,(89-97)odd 5.3(5-45)/5&(61-67)&55forA33 5.4(6&7)	7	8
11	5.5(5-35)/5 & 47,51 5.6(5-45)/5 & 71,75	12	13 7.1(5-55)/5 7.2(5-60)/5 & 69,73	14 Fall Registration	15
18	7.3(1-41)eoo& 64 Review for Test # 6	19	20 TEST # 6 (In Class)	21	22
25	7.4 7.6 7.7	26	27 <u>Review for Final</u>	28	29 <u>Finals</u>
May2	<u>FINAL EXAM</u> (4:00 - 6:00 P.M.)	3 <u>Finals</u>	4 <u>FINAL EXAM</u> (10:00 – 12:00 A.M.)	5 <u>Finals</u>	7 Graduation

CELL PHONES MAY NOT BE USED FOR ANY REASON IN THIS CLASS!!!!!!!!!!!!

