Instructor: Nancy R. Johnson “Dr. J” Bradenton campus
Phone: 941-752-5568 Math Office Phone: 752-5224
E-mail: johnson@scf.edu Math Lab: Bldg. 5
Office Hours Math Lab Hrs: See below
Instructor’s Website: http://faculty.scf.edu/johnson/index.htm

COURSE DESCRIPTION
This course meets Area II requirements for both the A.A. and the A.S. general education requirements. Topics include the study of polynomial, rational, absolute value, exponential, and logarithmic functions. An emphasis will be placed on solving applications by mathematical modeling. Other topics include matrices, system of equations and inequalities, and conic sections. This course is intended for students whose major requires the calculus sequence. Use of a graphing calculator is integrated throughout this course. Additional special fees are required. Students already with credit for MAC 1140 cannot subsequently get credit for MAC 1105, 2147 or 2142, or vice versa. Course placement standards are available at www.scf.edu/Academ/Math/Math.htm and in the math labs.

PREREQUISITES
MAC 1105 with a “C” or better. Student enrollment in any mathematics course is contingent upon approval of the Mathematics Department. This means that students who have been misplaced may have their schedule changed.

TEXT:
TEXTBOOK: College Algebra 9th Edition, by Sullivan. (The text is available online as a part of MyMathLab, but you may choose to purchase a hardcopy.)

MATERIALS:
CALCULATOR: A graphing calculator is required; a TI-83, TI-83 Plus or TI-84 Plus is strongly recommended. Calculators can be used during exams with the exception of those calculators with symbolic manipulation capabilities (e.g., TI-89, TI-92).

SOFTWARE: Required instructional software (MyMathLab) with access to supplemental homework problems, solutions to homework problems and video lectures is available in the bookstore or online at www.CourseCompass.com. Your section requires that all students use the supplemental software (such as MyMathLab). You must be registered in MML before 8/27/2012. However, assignments will be due prior to that time. (See Required Initial Assignment). Do not open any packages unless you are certain you have the correct materials. Open packages will not receive full refund at the bookstore. Use your SCF email as the contact email when you register for MML.

ADDITIONAL MATERIALS: Student solutions manual is available in the bookstore (optional) and video tapes are available in the Math Lab.

COURSE FORMAT
This is a 16 week distance learning, online course requiring submission of online assignments and proctored testing. It is NOT self-paced. You will be learning, through the use of a textbook, course handouts, supplementary videos, projects and assignments, and MyMathLab software, outside of a classroom to complete the course material as outlined in the attached schedule and come to the campus or a pre-approved testing center to take traditional pencil and paper exams. As a result you will be able to complete academic work in a flexible, although not self-paced, manner. As your instructor, I will interact with registered students throughout the course and assess all assignments.

EXAMINATIONS: There will be four online quizzes, a proctored midterm and a required, proctored, comprehensive final examination. NO MAKE-UP EXAMS WILL BE GIVEN. (See TESTING)

GRADING: Your grade in the course is determined by the percentage of points earned during the semester. A grade of 60% or better must be earned on the final exam in order to pass the course.

<table>
<thead>
<tr>
<th>POINTS</th>
<th>SCALE</th>
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<tbody>
<tr>
<td>4 Online EXAMS</td>
<td>200</td>
</tr>
<tr>
<td>Midterm (proctored)</td>
<td>300</td>
</tr>
<tr>
<td>Homework (MML)</td>
<td>200</td>
</tr>
<tr>
<td>Final Exam (cumulative) (proctored)</td>
<td>300</td>
</tr>
<tr>
<td>Total</td>
<td>1000</td>
</tr>
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</table>

GORDON RULE: This course meets the Florida State Board of Education Rule Number 6A-10.30. For the purpose of this rule, a grade of “C” or better shall be considered successful completion.

ATTENDANCE: All late arrivals, early departures and absences must be discussed and cleared with the instructor. More than 3 hours of unexcused absences or excessive tardiness may result in your withdrawal from the course.

In this online format, attendance is indicated by dates and times you work on MyMathLab, taking online quizzes by due dates, and attending the proctored exams. The initial assignment must be completed by the 8th calendar day of the course, 8/28/2012.
Cell phone etiquette must be observed: In-class usage is restricted to emergency situations – this includes texting. Cell phones are not to be used during tests, not even as a calculator. Inform the instructor before class of any extenuating circumstances. Electronic devices, such as iPods, Blackberries, etc. are not permitted to be used or worn during class.

In accordance with the State College of Florida policy, as stated in the college catalog, students may withdraw from any course, or all courses, without academic penalty, by the withdrawal deadline listed in the State College of Florida academic calendar. This semester, the withdrawal date is October 25, 2012. Students should take responsibility to initiate the withdrawal procedure but are strongly encouraged to talk with their instructors before taking any withdrawal action. In addition, students should note that faculty may also withdraw students for violating policies, procedures or conditions of the class, as outlined in individual course syllabi, and such action could affect financial aid eligibility.

Students are required to adhere to statements regarding student misconduct outlined in official State College of Florida publications including the Catalog and the Student Handbook. The minimal consequence of failure to adhere to these statements is withdrawal from the course.

Help for MyMathLab is available at http://247pearsoned.custhelp.com. For fast assistance, choose chat to “talk” to a technical support person. Students may also call 1-800-677-6337 for assistance from Pearson, ask their instructor or inquire at the Academic resource center.

In accordance with US Department of Education guidance regarding class participation, The State College of Florida requires that all students complete an orientation and submit their required Week 1 assignments within each course(s) during the first 8 calendar days of class. The first calendar day of class is the official start date of the course as posted on the course syllabus (8/20/2012). Assignments submitted prior to the official start date will not count toward your participation. Financial Aid cannot be released without class participation as defined above. Students who have already taken, and successfully completed, at least one or more class(es) with The State College of Florida will be dropped ONLY from any class(es) in which they are not participating. If you have any questions about your assignments, or you are unable to complete your assignments, please contact your instructor.

To be a student in this course, you must complete the Orientation Assignment by 8/28/2012:

1. You must be registered in this section’s MyMathLab course (Course ID and instructions for “Enrolling in MyMathLab” are found on ANGEL) by the eighth day of the semester. Use your SCF email as the contact email when you register for MML. (Download and install any required plug-ins for MML. You do not need to install the TestGen plugin.)

Temporary Access to MyMathLab: If you choose to use temporary access to MyMathLab, be sure that you purchase and register for the course with your access code before the 17 day grace period ends.

Note: If you are not registered and active in MyMathLab by the eighth day of the semester you will marked as a no-show, which withdraws you from the course.

2. Watch the orientation videos.
3. Complete the Week 1 (Chapter 3 Review) homework by its due date (11:59 PM of the 8th calendar day of the course). Students who fail to complete the assignment by the due date will be marked as a no-show.
4. Write an “Introduction Post” under Communication: Discussion Boards in MyMathLab.
   On the right-hand side in MyMathLab, click on “Discussion Boards” under Communication. Read the Instructions and the Example Post; then create your own post in the “Class Introductions” forum.
5. Send an e-mail to your instructor at johnson@scf.edu from your SCF e-mail address.
   You can either reply to an e-mail, or send a brand new one. Make sure that you include your first and last name in the body of the e-mail.

Weekly assignments will typically be due each Monday at 11:59 pm, unless otherwise specified. Every week, sections are assigned according to the Syllabus calendar. For each assigned section:

1. Read the section in the Textbook.
2. Watch the Lecture Videos for the section in MyMathLab.
   Also, read or watch any supplemental lessons your professor provides.
3. Complete the Homework in MyMathLab. Homework assignments will count toward your course grade.
4. Complete communication or discussion assignment, if any.
5. Complete the online quiz, if any, which is due during the week.

Remember to use any HELP/Tutorial buttons when you run into a difficult homework problem.

You are already enrolled in the ANGEL account for this course. You can access ANGEL through SCF Connect (https://portal.scf.edu/cp/home/displaylogin) using your regular User ID and Password. This Syllabus will be posted in ANGEL, and detailed instructions for enrolling in MyMathLab will be posted in ANGEL under the “Lessons” tab. However, ANGEL may not be used during the rest of the semester, as all assignments are located in MyMathLab. Some lesson material may be available in Angel. Students should not contact the instructor through ANGEL – instead, send e-mails to johnson@scf.edu

Course ID access to MyMathLab: Johnson##### (see Angel)  MyMathLab Student Support: 800-677-6337
Course Performance:  http://www.scf.edu/Academics/MathematicsScienceTechnologyBusiness/Mathematics/MathematicsCoursePerformanceStandards.asp
ARC:  http://www.scf.edu/StudentServices/AcademicResourceCenter/default.asp
Final Exam Schedule:  http://www.scf.edu/Academics/FinalExamSchedule.asp
COMMUNICATION

Students must use their SCF e-mail address in all correspondence with the instructor AND are responsible for maintaining contact with the instructor and checking e-mail regularly. E-mail is one of the main means of communication used in an online course. You must use your SCF e-mail account and check your e-mail regularly. Your instructor will send you regular e-mails with pertinent course information. It is your responsibility to make sure you receive these e-mails. If you do not appear to be receiving e-mails, contact your instructor immediately.

All e-mails must be written using correct English structure, grammar and punctuation and be signed with your first and last name. Additionally, the course name, MAC1140, should be included on the subject line of the e-mail.

Please do not e-mail your instructor through ANGEL.

Students can typically expect to receive a reply within 24 hours, M-F.

All attached files sent to your instructor must be a Microsoft Word file using the extension .docx. Do not send compressed files. Do not use .wks files. For questions on homework or general course concerns, please post your question in the appropriate discussion board.

For purposes of communications, use your SCF email as the contact email when you register for MML.

TESTING

There will be four online chapter exams, a proctored midterm exam on Thursday, October 11, 2012 and a required proctored final exam, on Thursday, December 6, 2012. All exams are at 3:30 pm in Building 27 room 105 on the Bradenton campus.

NO MAKE-UP EXAMS WILL BE GIVEN. Make-up exams are not allowed under any circumstance. In the event that you miss an exam, your final exam will be worth more of your overall course grade.

You must bring an approved calculator, pencils, and your student ID card or driver’s license. Students cannot share calculators or use a cell phone as a calculator during exams!

For students with time/location conflicts: Any deviations from the testing dates, times and location must be approved from your instructor in advance. If you are not able to attend the on-site testing sessions, you must make an appointment with the SCF Testing Center or find an approved testing center. Contact your instructor with the necessary information for sending the test to the testing center at least one week prior to the exam. Please be aware that most independent testing centers will charge for proctoring services. Regardless of location, you must still take the exam on the same date as the rest of the class.

Test Results: Test results will be posted in the MyMathLab gradebook. Although, you may arrange to review the exam, Midterm and Final exams are not returned.

ACCOMMODATION SERVICES

State College of Florida, Manatee-Sarasota, in accordance with the Americans with Disabilities Act will provide classroom and academic accommodations to students with documented disabilities. If you need to request an accommodation in this class due to a disability, or you suspect that your academic performance is affected by a disability, please see me or contact the Disability Resource Center (DRC). The DRC is located in 300-326 on the Venice campus and in the Student Services Center (01-219) on the Bradenton campus. The phone number is 941-408-1448 Ext # 61448 (TTY 941-480-3420) on the Venice campus and 941-752-5295 Ext # 65295 (TTY 941-751-8179) on the Bradenton campus.

NOTES ABOUT HOMEWORK

Doing homework is a critical part of learning mathematics. Assignments are provided through the MyMathLab software. The online homework will have impact on your course grade. Assignments will typically be due each Monday at 11:59 pm, unless otherwise noted. Online homework is required and counts for 200 points toward your course grade.

Students often find it helpful to print the homework assignments, work out problems using pencil and paper, and then enter the answers in MyMathLab. This gets students into the habit of showing work on paper, to prepare them for proctored tests.

The Optional Textbook Exercises listed below on the calendar also provide you with the opportunity to work problems away from the computer, which helps you to prepare for the paper and pencil exams. These will not be handed in for a grade, and it is up to you to decide how much extra practice you need.

You are allowed to continue to work a Similar Problem for each homework problem. Click on the Help Me Solve This or Show Me An Example buttons if you are struggling with a problem. Click on “Similar Problem” to work a problem again, either to get it right or to practice. If you are still stuck, click “Ask Your Instructor” and include a specific question (include the question number, and work you’ve tried so far). You may also practice similar problems in your Study Plan.

There will be a MyMathLab homework assignment due for every textbook section covered. In addition, on the Friday before every Quiz and Test date, students must post their work and answer for selected textbook problems in the appropriate Discussion Board in MyMathLab. The due dates are listed in the Syllabus calendar as “Forum: mm/dd.” A new Discussion will be created for each unit, and instructions along with a list of textbook problems will be posted there. Each Discussion post will be counted as one Homework assignment.
NOTES ABOUT QUIZZES

Four online timed 1-hour quizzes, each worth 50 points toward your course grade, will be assigned through the MyMathLab software. You will be allowed two submissions on each to account for any technical issues. To prepare for these quizzes, students can (1) complete the Quiz Reviews in the Course Notes, (2) review previously completed Homework assignments for practice in MyMathLab without penalty to their grades, and/or practice problems from the MML Study Guide.

From the time that you click on the Quiz, you will have one hour to submit your completed answers. Do not click on the quiz unless you are prepared to take it at that time.

Unlike your Homework, you should answer all questions and then click “Submit.” After that, you will be given the chance to submit a second time to allow for any corrections that might need to be made because of MML formatting issues.
<table>
<thead>
<tr>
<th>Week</th>
<th>Sections Covered</th>
<th>Topics Covered</th>
<th>Supplementary Textbook Homework Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chapter 3 Review</td>
<td>First day of classes: 8/20/2012  Online orientation (initial assignment) due 8/28</td>
<td>Chp.3 Review (p.267): 1 – 72 (odd)</td>
</tr>
<tr>
<td>2</td>
<td>Chapter 4 Review Online Quiz #1</td>
<td>Review on Functions Initial Discussion - Introduction</td>
<td>Chp.4 Review (p.315): 9 – 34 (odd), 39, 41</td>
</tr>
<tr>
<td>3</td>
<td>5.1, 5.2</td>
<td>Polynomials Functions Properties of Rational Functions</td>
<td>5.1 (p.338): 1 – 86 (odd)  5.2 (p.350): 1 – 54 (odd)</td>
</tr>
<tr>
<td>4</td>
<td>5.3, 5.4, 5.5</td>
<td>Graphs of Rational Functions Polynomial and Rational Inequalities Real Zeros of Polynomial Functions</td>
<td>5.3 (p.365): 1 – 49 (eoo)  5.4 (p.372): 1 – 48 (od)  5.5 (p.384): 1 – 93 (eoo), 103, 105</td>
</tr>
<tr>
<td>5</td>
<td>5.6</td>
<td>Complex Zeros and Fundamental Theorem of Algebra</td>
<td>Chp.6 Review (p.496): 1 – 87 (odd)</td>
</tr>
<tr>
<td>6</td>
<td>Chapter 6 6.1 – 6.8 (Review)</td>
<td>Exponential &amp; Logarithmic Functions And Applications</td>
<td>Chp.6 Review (p.496): 1 – 87 (odd)</td>
</tr>
<tr>
<td>7</td>
<td>Chapter 6 6.1 – 6.8 (Review) 7.1 7.2</td>
<td>Exponential &amp; Logarithmic Functions And Applications Conic Sections Parabolas</td>
<td>Chp.6 Review (p.496): 1 – 87 (odd)  7.1: No HW  7.2 (p.511): 1 – 61 (odd), 63, 67, 71</td>
</tr>
<tr>
<td>8</td>
<td>7.3, 7.4 Midterm Exam</td>
<td>Conics Discussion Ellipses Hyperbola</td>
<td>7.3 (p.521): 1 – 65 (odd), 69, 71, 81  7.4 (p.534): 1 – 63 (odd)</td>
</tr>
<tr>
<td>10</td>
<td>8.3 8.4</td>
<td>System of Linear Equations: Determinants Matrix Algebra</td>
<td>8.3 (p.579): 1 – 61 (odd)  8.4 (p.594): 1 – 77 (odd)</td>
</tr>
<tr>
<td>11</td>
<td>Online Quiz #3</td>
<td>Quiz is on sections 7.3, 7.4, 8.1 – 8.4</td>
<td>8.5 (p.604): 1 – 45 (odd)  8.6 (p.610): 1 – 56 (odd), 65 – 87 (eoo)</td>
</tr>
<tr>
<td>12</td>
<td>8.7 9.1</td>
<td>Systems of Inequalities Sequences</td>
<td>8.7 (p.619): 1 – 57 (odd)  9.1 (p.644): 9 – 87 (odd)</td>
</tr>
<tr>
<td>15</td>
<td>Online Quiz #4 Review for final</td>
<td>Quiz is on 8.5, 8.6, 8.7, 9.1 – 9.5</td>
<td>Review for Final</td>
</tr>
<tr>
<td>16</td>
<td>Review for Final</td>
<td>Review for Final</td>
<td>Thursday, December 6, 3:30 PM, 27-105</td>
</tr>
</tbody>
</table>

**Friday, 10/5, Faculty/Staff Development Day – no day classes or academic support labs. Classes scheduled 4 pm and later will meet as usual.**  
*Thursday, 10/25, last day to withdraw without academic penalty (no refund).*