MAC 1140-WB1 Pre-Calculus Algebra (Distance Learning) SUMMER A 2012

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Instructor’s Website: http://faculty.scf.edu/johnson/index.htm
Office Hours: See the URL below Math Lab Hrs: http://www.scf.edu/StudentServices/AcademicResourceCenter/default.asp

Office: Bldg. 5
Math: Bldg. 5

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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 http://scf.edu/Academics/MathematicsScienceTechnologyBusiness/Mathematics/Courses/MAC1140PrecalculusAlgebra.asp 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.

REQUIRED COURSE MATERIALS:
MyMathLab Student Access Code
The textbook and access code are available for purchase at the SCF Bookstore as a bundled package. Do not open the package unless you are certain you have the correct materials. Open packages will not receive full refund at the bookstore. An electronic textbook is included with MyMathLab.

CALCULATOR:
A graphing calculator is required; a TI-83, TI-83 Plus, TI-84 Plus, or TI-86 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). Cell phones cannot be used as calculators during exams.

ADDITIONAL MATERIALS:
There is a solutions manual available at the SCF bookstore.

MYMATHLAB:
You will need to purchase an instructional software package to do required homework problems. Your online section requires all students to use the instructional software package called MyMathLab. You are required to buy the MyMathLab software either at the college bookstore or online at www.CourseCompass.com. 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.

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

MyMathLab is the central location for this course. You must log in at least once each week to participate in weekly homework assignments, online quizzes, and view class announcements. Failure to do so could result in missed due dates, missed homework or quizzes, or withdrawal from the course.

The Course ID for this course is TBA. Students should not register in the MyMathLab course until the first day of the semester.

EXAMINATIONS:
There will be one midterm and a required comprehensive final examination.
NO MAKE-UP EXAMS WILL BE GIVEN.

Course ID for access to MyMathLab: johnson13595
On-Campus Meetings: Midterm 5/31/2012 & Final 6/21/2012 in Room 105 of Building #27
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.

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<tr>
<th>POINTS</th>
<th>SCALE</th>
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<tbody>
<tr>
<td>50</td>
<td>90 - 100% = A</td>
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<tr>
<td>250</td>
<td>80 - 89% = B</td>
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<tr>
<td>200</td>
<td>70 - 79% = C</td>
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<td>200</td>
<td>60 - 69% = D</td>
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<tr>
<td>300</td>
<td>0 - 59% = F</td>
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<tr>
<td>1000</td>
<td>Total</td>
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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.

WITHDRAWAL: 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 June 9, 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 class syllabi, and such action could affect financial aid eligibility.

ELECTRONICS POLICY: Cell phone etiquette must be observed: In-class usage is restricted to emergency situations. Cell phones are not allowed to be used during tests, not even as a calculator. Inform the instructor before class of any extenuating circumstances. Electronic devices as iPods, Blackberries, etc are not permitted to be used or worn in class.

MISCONDUCT: 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.

ANGEL ACCESS: 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](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

E-MAIL: You must use your SCF e-mail account and check your e-mail regularly (at least four times a week is recommended). You can expect to receive weekly e-mails from me with pertinent course information such as assignment updates, study tips, and course instructions. 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-mail replies must be sent from your SCF e-mail address. They must be written using correct English structure, grammar and punctuation and be signed with your first and last name. Additionally, the course name, MAC 1140 - Online, 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.

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

COURSE FORMAT: This is an online course requiring submission of online homework and quizzes. It is NOT self-paced. You will be learning through the use of the textbook, course notes, and MyMathLab software. You will work outside class 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. The instructor will interact with students throughout the course and assess all assignments.

Course ID for access to MyMathLab: johnson13595

On-Campus Meetings: Midterm 5/31/2012 & Final 6/21/2012 in Room 105 of Building #27

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EXAMINATIONS
There will be one midterm exam (5/30/2012) and a required final exam (6/21/2012). There will be online quizzes are going to be announced one week prior to the quiz. All exams are at 5:30pm 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 graphing 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. If you want your test returned, please bring a stamped, self-addressed envelope to the exam so that your instructor can mail it to you. Otherwise, you may arrange to pick up the exam in your instructor’s office or get it back at the next exam. Final exams are not returned.

REQUIRED INITIAL ASSIGNMENT:
To be a student in this course, you must complete all parts of the assignment by Monday, May 21, 2012, 11:59 pm. To complete this assignment, students must:

1. Complete the “Orientation Assignment” in MyMathLab.
   • Follow the “Enrolling in MyMathLab” instructions, which will be posted in ANGEL under Lessons on the first day of class.
   • Download any required plug-ins for MyMathLab. You will not need the TestGen plugin.
   • Complete the Orientation Assignment under “Start Here.”
2. 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.
3. 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.

Use your SCF email as the contact email when you register for MML.

Students who fail to complete all parts of the Required Initial Assignment by the due date will be marked as a no-show and dropped from the course.

The software must be purchased and you must be registered in MyMathLab by 72 hours after the drop/add deadline for the semester occurs. If you are not registered and active in MyMathLab by that time you will be dropped from the course as a no show. Students who fail to complete the assignment by the due date will be marked as a no-show and dropped from the course.

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 48 hours following the end of the drop/add period for the term. The first calendar day of class is the official start date of the course as posted on the course syllabus. 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 at johnson@scf.edu

Use your SCF email as the contact email when you register for MML.
LESSON PROCEDURES:  Weekly assignments will typically be due each Sunday at 11:59 pm, unless otherwise specified by MML due dates. 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 weekly communication assignment.

Remember to utilize any Help buttons when you run into a difficult homework problem.

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 Sunday at 11:59 pm, unless otherwise noted by MML due dates. 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.

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 and/or (2) review previously completed Homework assignments for practice in MyMathLab without penalty to their grades.

- 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.

Proctored Tests:  There will be one midterm, and a required comprehensive final exam given in class during the scheduled departmental final exam period. Students will take all exams in person at the Bradenton Campus on the dates, times, and locations listed below in the Syllabus schedule. What you must bring: calculator, pencil/pen, and student ID card and driver’s license. Students cannot use a cell phone as a calculator during exams!

For students with conflicts: If you cannot attend an on-site test session, you must find a proctored testing center in your area and 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 the location, you must still take the exam on the same date as the rest of the class.

NO MAKE-UP EXAMS WILL BE GIVEN after the test date for any reason. The final exam score can replace a zero for the missed test.

TEST RESULTS: Test results will be posted in the MML gradebook. Please bring a stamped, self-addressed envelope to the exam so that your instructor can return your test to you. Otherwise, you may pick up the exam in your instructor’s office or get it back at the next exam. Final exams are not returned.

ATTENDANCE: Since this is an online course, attendance will be measured by completion of MML assignments as well as sitting for tests.
- During the first week of class, student attendance will be measured by completion of all parts of the Required Initial Assignment (described above).
- After the first week, students must display weekly activity in MML (i.e., complete homework problems every week) and sit for all tests. Students who are inactive for two weeks are subject to withdrawal from the course.

MISCONDUCT: 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.

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 your instructor 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 x61448 (TTY 941-480-3420) on the Venice campus and 941-752-5295 x65295 (TTY 941-751-8179) on the Bradenton campus.
<table>
<thead>
<tr>
<th>Week</th>
<th>Sections Covered</th>
<th>Topics Covered</th>
<th>Suggested Homework Assignments</th>
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<tr>
<td>1</td>
<td>5.1</td>
<td>Polynomials Functions</td>
<td>5.1 (p.340): 1 – 87 (odd)</td>
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<td></td>
<td>5.2</td>
<td>Properties of Rational Functions</td>
<td>5.2 (p.352): 1 – 51 (odd)</td>
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<td>5.3</td>
<td>Graphs of Rational Functions</td>
<td>5.3 (p.366): 1 – 49 (eeo)</td>
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<td>5.4</td>
<td>Polynomial and Rational Inequalities</td>
<td>5.4 (p.373): 1 – 39 (odd)</td>
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<td>2</td>
<td>5.5</td>
<td>Real Zeros of Polynomials</td>
<td>5.5 (p.386): 1 – 93 (eeo), 103, 105</td>
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<td></td>
<td>5.6</td>
<td>Complex Zeros of Polynomials</td>
<td>5.6 (p.374): 1 – 39 (odd)</td>
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<td><strong>Online Test #1</strong></td>
<td>Exponential &amp; Logarithmic Functions And Applications</td>
<td>Chp.6 Review (p.496): 1 – 87 (odd)</td>
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<td>Chapter 6 (Review)</td>
<td>Conic Sections</td>
<td>7.1: No HW</td>
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<td>7.1</td>
<td>Parabolas</td>
<td>7.2 (p.511): 1 – 71 (odd)</td>
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<td>7.2</td>
<td>Ellipses</td>
<td>7.3 (p.521): 1 – 71 (odd), 81</td>
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<td>7.3</td>
<td>Hyperbolas</td>
<td>7.4 (p.533): 1 – 61 (odd)</td>
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<td>7.4</td>
<td>Systems of Linear Equations</td>
<td>8.1 (p.553): 1 – 79 (odd)</td>
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<td>3</td>
<td>8.1</td>
<td>Matrices</td>
<td>8.2 (p.568): 1 – 87 (odd)</td>
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<td>*M 5/28 – R 5/31 *College Closed for Memorial Day</td>
<td><strong>Test #2</strong></td>
<td>Thursday, May 31, 2012</td>
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<td>8.3</td>
<td>Determinants</td>
<td>8.3 (p.579): 1 – 61 (odd)</td>
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<td>Matrix Algebra</td>
<td>8.4 (p.595): 1 – 73 (odd)</td>
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<td>Partial Fraction Decomposition</td>
<td>8.5 (p.603): 1 – 43 (odd)</td>
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<td>8.6</td>
<td>Systems of Nonlinear Equations</td>
<td>8.6 (p.610): 1 – 67 (odd), 69 – 87 (eeo)</td>
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<td>Systems of Inequalities</td>
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<td><strong>Test #3</strong></td>
<td>Sequences</td>
<td>9.1 (p.643): 9 – 87 (odd)</td>
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<td>9.1</td>
<td>Arithmetic Sequences</td>
<td>9.2 (p.650): 1 – 63 (odd)</td>
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<td>9.2</td>
<td>Geometric Sequences &amp; Series</td>
<td>9.3 (p.660): 1 – 87 (odd)</td>
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<td>6</td>
<td>9.3</td>
<td>Mathematical Induction</td>
<td>9.4 (p.662): 1 – 19 (odd)</td>
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<td><strong>Test #4</strong></td>
<td>The Binomial Theorem</td>
<td>9.5 (p.672): 1 – 45 (odd)</td>
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**Note: Saturday, June 9th is the last day to withdraw without academic penalty (no refund).**