Precalculus - MAT 170, §40390, Summer 2015(B)
Class Day/Time: M T W Th F, 11:50AM - 1:10PM
Location: PSA 302

ASU SCHOOL OF MATHEMATICAL & STATISTICAL SCIENCES

ARIZONA STATE UNIVERSITY

Instructor: Joseph Wells
Email: jswells@asu.edu
Course Website: www.blackboard.asu.edu
Office Location: PSA 434
Office Hours: M, W, F: 1:30PM - 2:30PM
Textbook/Workbook: Blitzer, Robert, *Precalculus Essentials, Third Edition for Arizona State University*, Pearson/PrenticeHall, with a MyMathLab ACCESS CODE.

Course Description: Preparation for calculus focusing on quantitative reasoning and functions. Topics include: rate of change, linear, exponential, polynomial, logarithmic, rational, and periodic functions, unit-circle, geometrical and analytical trigonometry.

Prerequisites and Placement: Prerequisite with a grade of "B" (3.00) or higher: Intermediate Algebra. Prerequisite with a grade of "C" (2.00) or higher: College Algebra or 2 years of high school algebra. It is essential that students in MAT170 have a command of basic algebraic skills such as factoring, basic equation solving, and a thorough knowledge of the rules of exponents and radicals.

Course Goals: To understand the central ideas of the course and prepare students for success in calculus.To support students in improving their problem solving abilities. To learn how to make logical and verbal arguments. To increase algebraic and procedural fluency.

Course Structure: The class sessions will involve collaborative learning, whole class discussions, direct instruction, and quizzes. Attendance is vital to your success in this class.

Rules of Engagement: Your success in mathematics, engineering and the sciences requires that you:

1. Speak with Meaning
2. Exhibit Intellectual Integrity
3. Strive to Make Sense
4. Respect the Learning Process of Others

What you say should carry meaning to others. Reference quantities - NO pronouns. Explain and justify your approach. Base your conjecture on a logical foundation; don't pretend to understand when you don't. Persist in making sense of your peers' thinking. Allow others the opportunity to think, reflect and construct. When assisting your peers, pose questions to help them construct meaning rather than show them how to get the answer.

Materials:

- Precalculus Essentials Textbook
- MyMathLab: Online homework at MyMathLab
- Calculator: A graphing calculator is required for this course. Examples of highly recommended

models are the TI 83/84 or TI Nspire CX or Casio 9850 GB Plus or Casio Prizm. Calculators such as TI- 89 or TI Nspire CX CAS that perform symbolic algebra are not allowed. This link gives some help with graphing calculators: (http://math.asu.edu/degree-programs/graphing-calculator-instructional-handouts)

Essential Websites:

- Blackboard: This is the home base for the course: assignments, announcements, grades, etc.
- MyMathLab: Online homework is at http://mymathlab.com.

Attendance & Participation: Your success in this class is dependent upon your attendance in lecture and recitation. *You may not exceed 4 absences this class.* Students who exceed the number of allowed absences may receive a failing grade of EN for the course. Class participation in workbook investigations and discussions is critical for coming to understand the material.

Homework: Homework will be both

- written assignments from the course book (problems assigned will be specified on Blackboard).
- online homework via the MyMathlab system. The website for MyMathLab is www.pearsonmylab.com. MyMathLab can be operated on a PC running Windows with access to the Internet Explorer or Netscape or FireFox web browser and on a Mac using FireFox or Safari. You can also use the web browser chrome. It can be either your own computer or one in any of the ASU computer labs. In order to register for MyMathLab, you must have an ACCESS CODE and a Course ID. The ACCESS CODE can be purchased with a new textbook or online at www.pearsonmylab.com. ASU's zip code is 85287. Our Course ID number is:

wells43113

Late homework, whether written or online, *will not be accepted.* Homework submitted without work shown, without a name, without a staple (in the case of multi-page assignments), and with spiral-bound notebook fringe *will not be accepted.* It is your responsibility to complete the homework assignments prior to the next class meeting.

Tutoring: Math Tutoring Center in PSA 116 will be open during the summer Mondays through Fridays 10am to 4pm. You can bring questions, or you can just go there to do your homework and ask questions as they arise. You can also contact the math department if you require private tutoring.

Getting Started: Here is list of things to do to get started in your Precalculus course:

1. Purchase the course textbook, Precalculus Essentials (Loose Pages) (with MyMathLab).
2. Visit MyMathLab and make an account. (You will need an access code. This access code can be bought separately from your book online from www.pearsonmylab.com)
3. Read the relevant sections before class starts. I cannot stress enough how much this will help your understanding of the material.
4. Come to class prepared by completing all assigned homework.

Exam Policy: There will be two exams, reading quizzes, and a final exam given during the semester. The best possible preparation for the exams is regular attendance and completion of assigned homework. To be admitted to the exam you must have a valid ASU Sun Card. Your calculator memory may be viewed at any time during any exam and may be cleared if anything suspicious is noted. The instructor has the right to regard finding suspicious material in your calculator memory as cheating. All phone or any internet-capable devices must be turned off and put away and made inaccessible during quizzes and exam. Any student who has such a device out during a quiz or exam automatically receives a score of zero. Please consult the instructor for special circumstances.

Cell Phone/Technology Policy: Portable electronic devices should be silenced and put away during class time (devices used for the purpose of note-taking are excepted).

Exam Schedule: Any changes to the schedule will be announced in class and via BlackBoard.

Exam	Dates	Topics Covered
Exam #1	July 16	Ch 1 & 2
Exam #2	Aug 3	Ch 3 & 4
Final Exam	Aug 11	Ch 1-6

Grade Calculation: Your grade is dependent upon how well you demonstrate your comprehension of the subject through application and completion of the items listed above in this syllabus.

Assignments	Percentage of Final Grade
Exam #1 & #2	20% each
Final Exam	25%
Written Homework and MyMathLab	20%
Reading Quizzes	10%
Attendance	5%

Letter Grades: There will be no extra credit and I will not round up grades, but I will drop the lowest written homework score. The table below shows the breakdown for the final letter grades assigned to the overall percentage in the class.

Percentage	Letter Grade	Percentage	Letter Grade
98% - 100%	A+	80% - 81.99%	B−
93% - 97.99%	A	78% - 79.99%	C+
90% - 92.99%	A−	70% - 77.99%	C
88% - 89.99%	B+	60% - 69.99%	D
82% - 87.99%	B	0% - 59.99%	E

Disabilities: If you have a disability, please notify your instructors and the ASU Disability Resource Center (http://www.asu.edu/studentaffairs/ed/drc/) at 480.965.1234 as soon as possible so that accommodations can be made.

Disclaimer: It is the student's responsibility to know all of the information contained in this syllabus. Any changes to the syllabus and course calendar will be announced in class. Students are responsible for these changes whether in attendance or not. It is also the student's responsibility for reviewing the college policies included in the college catalog and the student handbook.

Last Day for Open/Add	July 2, 2015
Course Withdrawal Deadline	July 21, 2015
Complete Session Withdrawal Deadline	Aug 11, 2015

Withdrawal: A student may withdraw from a course with a grade of W during the withdrawal period. The instructor's signature is not required. Note: For "Complete withdrawal", you must withdraw from ALL of your ASU Courses for the spring semester.

The grade of Incomplete: A grade of incomplete will be awarded only in the event that a documented emergency or illness prevents the student who is doing acceptable work from completing a small percentage of the course requirements. The guidelines in the current general ASU catalog regarding a grade of incomplete will be strictly followed.

Instructor-Initiated Drop: At the instructor's discretion, any student who has not attended class during the first week of classes may be administratively dropped from the course. (You should take special note that non-attendance does NOT automatically result in you being dropped from the course. It is your responsibility to be aware of your registration status.)

Final Exam Make-up Policy: The final exam schedule listed in the Schedule of Classes will be strictly followed. Exceptions to the schedule and requests for make-up final examinations can be granted only by the Department Chair, Associate Department Chair, or the Director of First Year Mathematics, and for one of the following reasons:

1. Religious conflict
2. The student has more than three exams scheduled on the same day as the math final
3. There is a time conflict between the math final and another final exam.

If there is a last-minute personal or medical emergency, the student may receive a grade of Incomplete and make up the final within one calendar year. The student must provide written documentation and be passing the class at the time to receive an Incomplete. Make-up exams will NOT be given for reasons of non-refundable airline tickets, vacation plans, work schedules, weddings, family reunions, and other such activities. Students should consult the final exam schedule before making end-of-semester travel plans. The Dean of the student's college must approve any exceptions to these rules.

1. The highest standards of academic integrity are expected of all students at all times. Violations of academic integrity include, but are not limited to, cheating, fabrication, tampering, plagiarism, or facilitating such activities. We will act very harshly against any acts of academic dishonesty.
2. Students with disabilities should arrange to meet with me as soon as possible to arrange for reasonable accommodations for their learning needs. Students registered with DRC must notify the instructor at least two weeks prior to any exam close date.
3. Alternative arrangements for any religious observances, ASU sanctioned activity, or ASU student athlete obligations must be arranged with the instructor prior to the event. As a reminder, there are no extensions or makeups for exams after the exam close date.
4. No individual extra credit assignments will be offered.

Academic Integrity: Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, course failure (indicated on the transcript as a grade of E), course failure due to academic dishonesty (indicated on the transcript as a grade of XE), loss of registration privileges, disqualification and dismissal. For more information, see Student Code of Conduct.

Conduct:

Students are required to adhere to the behavior standards listed in the

1. Arizona Board of Regents Policy Manual Chapter V - Campus and Student Affairs: Code of Conduct
2. ACD 125: Computer, Internet, and Electronic Communications
3. ASU Student Academic Integrity Policy.

Students are entitled to receive instruction free from interference by other members of the class. If a student is disruptive, an instructor may ask the student to stop the disruptive behavior and warn the student that such disruptive behavior can result in withdrawal from the course. An instructor may withdraw a student from a course when the student's behavior disrupts the educational process under USI 201-10.

Appropriate classroom behavior is defined by the instructor. This includes the number and length of individual messages online. Course discussion messages should remain focused on the assigned discussion topics. Students must maintain a cordial atmosphere and use tact in expressing differences of opinion. Inappropriate discussion board messages may be deleted if an instructor feels it is necessary. Students will be notified privately that their posting was inappropriate.

Student access to the course Send Email feature may be limited or removed if an instructor feels that students are sending inappropriate electronic messages to other students in the course. Please use only kind, respectful language in addressing the instructor or other students: No profanity or vulgarity.

Topics Schedule: Here is a tentative schedule of the topics that we will be covering in class.

Monday	Tuesday	Wednesday	Thursday	Friday
		July 1 §1.1, 1.2	July 2 §1.3, 1.4	July 3 No School
July 6 §1.5, 1.6	July 7 §1.6, 1.7	July 8 §1.8, 1.10	July 9 §2.1	July 10 §2.2
July 13 §2.3 - 2.5	July 14 §2.6	July 15 Review	July 16 **Exam #1**	July 17 §3.1
July 20 §3.2	July 21 §3.3, 3.4	July 22 §3.5	July 23 §4.1, 4.2	July 24 §4.2
July 27 §4.3, 4.4	July 28 §4.5	July 29 §4.7	July 30 §4.8	July 31 Review
Aug 3 **Exam #2**	Aug 4 §5.1	Aug 5 §5.2 - 5.4	Aug 6 §6.1	Aug 7 §6.2
Aug 10 Review	Aug 11 **Final Exam**			