MATH 1130-004 Precalculus Mathematics
Department of Mathematical and Statistical Sciences
University of Colorado Denver
COURSE SYLLABUS

Term:	**Spring 2018**
Instructor:	**Michael Jacobson**
Class Meeting Info:	T/Th 10:00AM – 11:50AM in North Classroom 1606
Instructor's Office:	Math Department - 4th floor Student Commons Building - Office Number 4108 Phone: 303-315-1708
Office Hours Sessions:	Wednesdays 10:30 - 12:30 & Thursday 2:30 – 4:00 or by appointment
E-mail:	michael.jacobson@ucdenver.edu
Web Page	The Syllabus, Grades, additional Assignments and other course documents will be posted on Canvas: https://ucdenver.instructure.com/
Math Dept. Office	Fourth floor Academic Building Phone: (303) 315-1700
Course Captain	José Mijares: Office: Student Commons Building SCB-4012, Email: jose.mijarespalacios@ucdenver.edu
Dept. Associate Chair	Prof. Steve Billups: Student Commons Building, Office SC-4221 Phone: (303) 315-1735; email: stephen.billups@ucdenver.edu

Catalog/Course Description: The course will cover the topics in MATH 1110 and 1120. Note: **This course assumes that students have some basic mathematical knowledge in advanced Algebra as well as the basics of Trigonometry.** No co-credit with MATH 1070, 1110 or 1120. Max hours: 4 Credits. GT: Course is approved by the Colorado Dept of Higher Education for statewide guaranteed transfer, GT-MA1. Semester Hours: 4

Course Notification: This is the department's attempt at an intense course preparation for Calculus I (MATH 1401). We assume that you are here because you want to pass the UCDENVER.MYLABSPLUS.COM Prerequisite Test (administered in MERC Lab, NC4015/4009). If you do not intend to take MATH 1401, THEN YOU SHOULD NOT TAKE THIS COURSE. [The Architecture major is the only possible exception to this rule.] Please consider that College Algebra (Math 1110) and/or College Trigonometry (MATH 1120) might be a better fit for you and your intended program of study.

Course Goals and Objectives:

1) We will give you a separate copy of the learning objectives for the course. We believe that it is good practice to check off each objective as the material is presented. If the instructor skips something, then bring it to his attention!
2) To understand how the College Algebra/Trigonometry topics will be used in Calculus and Physics.
3) Rationale: We assume that you were not ready to tackle Calculus I this semester or that you would feel more comfortable easing into Calculus I by taking this semester to review the necessary Algebra and Trigonometry to be successful. Almost certainly, this was a wise decision on your part! If, in particular, your trigonometry background is lacking (or possibly non-existent), then we need you to be honest with yourself. You should ask yourself, Can I really learn 15 weeks worth of trigonometry in a 7-week review format? You will not have a lot of time to retrace the basics. We tend to focus on specific problem situations that occur in Calculus I and Calculus II and we will not allow you to slow the class down if you can't keep up with the pace. You have been warned.

Required Materials:

Text: Precalculus Essentials by Robert F. Blitzer (5th Edition) plus MyMathLab.

Note: A hard copy of the text is optional since an eBook comes with the purchase of MyMatLab, which is required. If you decide to purchase a hard copy of the text then we recommend that you purchase it new, bundled with the student access code that gives you access to the MyMathLab software. A used text will not usually come with an unused access code and each access code can only be used once!!! If you purchase a used text then you will probably still need to purchase the software and eBook online. Below are the three best purchase options. Recent prices on Amazon are given for reference. Of course you should shop around before purchasing a text. MyMathLab alone (no hard copy of the text) can also be purchased online from the publisher with a credit card.

1. ISBN-13: 978-0134765464 - Hardcover text plus MyMathLab with eText. (Amazon ≈ $214.00)
2. ISBN-13: 978-0134765440 – Loose Leaf text plus MyMathLab with eText. (Amazon ≈ $157.00)
3. ISBN-13: 978-0134759036 – No hard copy of the text, just MyMathLab with eText. (Amazon ≈ $119.00)

MyMathLab gives you access to course material including the online homework and an electronic version of the textbook. You gain access to MyMathLab for this course with either an access code purchased online or at the bookstore or by purchasing access directly through the publisher at: https://www.pearsonmylabandmastering.com/northamerica/ To register for MyMathLab for this course do the following. Click on the link above. Under REGISTER, click STUDENT and follow the on screen instructions. You will need the COURSE ID **jacobson67817**, your UCD email address (which you should check regularly), and either a student access code (can be purchased at the Auraria Bookstore) or a valid credit card.

Technology: Some problems that you encounter will require a graphing calculator. You can get by with a basic graphing calculator such as the (TI-83/TI-84). The newer TI-nSpire is also fine, however the key strokes you will need to use with the TI-nSpire are different from the TI-84 which will be used in class. Calculators like the TI-89 or TI-nSpire CAS, which contain a Computer Algebra System (CAS) may also be used. You are required to learn to do the problems in this class analytically (by hand) so don't become reliant on a calculator with a computer algebra system!

How you will be evaluated:

Exams: There will be three in-class exams, each worth 25% of your final grade. You must bring your student I.D. card to each exam.

Exam #1:	Tuesday February 20th
Exam #2:	Thursday March 29th
Exam #3:	**TBA-during Final Exam Week May 7th – 12th**

MyMathLab Homework: This is worth 10% of your final grade. Students complete the homework assignments on MyMathLab. MyMathLab assignments will be due on a regular basis. The due dates can be found in MyMathLab. Each student has three attempts at each problem.

Quizzes + Homework:

- Our department requires some amount of written feedback to you, the student. This can take the form of written homework, an in-class quiz, or a small written analysis project.
- This is worth 15% of your final grade in the class.
- You should plan on completing about 11 to 12 written activities (Quizzes or Homework). Your best 10 will count.
- Due dates will be assigned by your instructor.
- The point of completing shorter written assignments is that you need practice writing explanations as well as correctly manipulating algebra.

Grading Summary:

In-Class Exams: (25% each)	75%
MyMathLab Homework Assignments:	10%
Quizzes + Homework:	15%

Grading Scale:

	A : 92 – 100%	**A - : 89.0 – 91.9%**
B + : 86.0 – 88.9%	**B: 82.0 – 85.9%**	**B - : 78.0 – 81.9%**
C + : 75.0 – 77.9%	**C: 71.0 – 74.9%**	**C - : 67.0 – 70.9%**
D + : 64.0 – 66.9%	**D: 61.0 – 63.9%**	**D - : 55.0 – 60.9%**

F : below 55%

Late Work and Exam Makeup Policy:
Successful performance in college courses is dependent upon regular student attendance and participation. It is the University's expectation that students will participate in every class, independent of whether attendance is formally part of the course grade. The University recognizes there will be occasions when students must miss classes that contain examinations, graded assignments, projects, and general class participation. Excused absences are authorized by the University. Anticipated excused absences must be cleared with the instructor prior to the event, and religious observances must be declared at the beginning of the semester. An independent official should verify unanticipated or emergency excused absences. Examples of excused absences and the required documentation and verification are offered below:

Anticipated	**Required Documentation**
Official university holiday	No verification required, calendar from Registrar
Official university function	University official authorizing the absence
Required court or jury appearance	Clerk of the Court
Required military obligation	Copy of orders, or commanding officer
Religious observances	Student initiated request

Unanticipated or Emergency	**Required Documentation**
Extraordinary illness or injury	Physician (student authorization may be required)
Death of family member	Copy of obituary, family relationship
Closed campus/inclement weather	No verification required
Open campus/inclement weather	Highway department closed road verification
Required employment travel	Immediate supervisor

In-Class Tests: I expect you to take all of the in class tests. If an excused absence causes you to miss a test, we will deal with it in such a way that you are not penalized. We will discuss the details if this happens. You must contact me prior to the test, and I will ask for details regarding the emergency. If you miss a test due to an unexcused absence or lack of prior notification, you will receive a zero on that test.

Online Homework: If you do not do an online homework assignment by its due date you will receive a zero on that assignment. Technical difficulties are always possible when working with computers so plan ahead and get your online homework done early! Extensions to due dates are made only for extenuating or emergency situations and when arrangements are made with the instructor prior to the due date. Extension requests made after due dates will not be honored.

Written Feedback Objects: If some emergency arises that causes you to miss a written assignment or quiz, we will deal with it in such a way that you are not penalized. We will discuss the details if this happens. You must contact me prior to the due date, and I will ask for details regarding the emergency. If you miss an assignment or quiz without an excused absence or without making prior arrangements, you will receive a zero on that assignment or quiz.

Unexcused Absences:
Student absences that do not meet the criteria for an excused absence are classified as unexcused. Faculty members are under no obligation to allow students to make up, or to provide any grading adjustment for a missed assignments as a result of an unexcused absence. A student who believes a faculty member's attendance policies are inconsistent with University policies or unfair for the circumstances, should discuss the situation with the instructor.

Attendance: Regular attendance and participation are important to your success in any college course but particularly in mathematics. You are expected to attend class faithfully and to take responsibility for your own learning.

CLAS Academic Dishonesty Policy: Students are required to know, understand, and comply with the CU Denver Academic Dishonesty Policy as detailed in the Catalog and on the CLAS website. Academic dishonesty consists of plagiarism, cheating, fabrication and falsification, multiple submission of the same work, misuse of academic materials, and complicity in academic dishonesty. If you are not familiar with the definitions of these offenses, go to
http://www.ucdenver.edu/academics/colleges/CLAS/faculty-staff/policies/HandlingAcademicDishonesty/Pages/Definition-of-Academic-Dishonesty.aspx
This course assumes your knowledge of these policies and definitions. Failure to adhere to them can result in possible penalties ranging from failure of this course to dismissal from the University; so, be informed and be careful. If this is unclear to you, ask your professor.

Cheating: Examples of cheating include (but are not limited to): using unauthorized references (e.g. another individual, notes, texts...) during an exam, using a calculator on an exam where a calculator is not allowed, altering a graded exam and coming back to request more points, turning in duplicate homework assignments, and plagiarism. The penalty for cheating will depend on the evidence and the intent of the student.

At a minimum, the penalty for deliberate cheating on an exam or quiz will be a zero on the exam or quiz. A letter will also be sent to the department Chair and the CLAS associate Dean and it is likely that depending on the circumstances, cheating of this kind will result in a course grade of **F** as well as possible expulsion from the university. It isn't worth it, so don't do it!

I encourage students to work together on homework. However, each student is responsible for understanding the concepts covered in homework problems to be able to work similar problems on exams and quizzes.

Student Code of Conduct: As members of the University community, students are expected to uphold university standards, which include abiding by state civil and criminal laws and all University policies and standards of conduct. These standards are outlined in the student code of conduct which can be found at:
http://www.ucdenver.edu/life/services/standards/Documents/CUDenver-CodeofConduct.pdf

Incomplete Grades: An incomplete grade 'I' is not granted for low academic performance. To be eligible for an incomplete grade, students must (1) *successfully* complete 75 percent of the course, (2) have special circumstances (verification may be required) that preclude the student from attending class and completing graded assignments, and (3) make arrangements to complete missing assignments with the original instructor using a CLAS Course Completion agreement.

Complaints about the Course: Students who have complaints about the course or instructor should: 1) meet with the instructor face-to-face; 2) if not satisfied, meet with the Associate Chair of the math department, Prof. Steve Billups; 3) if not satisfied, appeal to the Associate Dean. Be aware that no step in this process may be skipped. See "Procedures for Student Grievances about Courses or Faculty, CLAS."

How do you gain entry into Math 1401 next semester? We assume that you are taking MATH 1130 to brush up on all the skills necessary to be successful in MATH 1401, at least up through the first exam. There are three paths for Math 1130 students to get into Math 1401:

(#1) For MATH 1130 Students Only:

> **(a)** If you earn a course letter grade of "A" (unblemished, so "A-" does not count), then you will receive a free ticket into Calculus 1. The downside to this exemption is that you cannot collect it until grades are posted for MATH 1130, which is probably long after your registration window opens. NO, you cannot earn an unblemished "A" without the MyMathLab homework component.
>
> **(b)** If you can complete the entire MyMathLab homework component with a 95%+ score, then you will receive a free ticket into Calculus 1. Remember that in Chapter P, you get 5 attempts at each questions, but after that, you only get 3 attempts at each question.
>
> > **i.** You can collect this exemption AFTER Drop Day has passed.
> > **ii.** You CANNOT collect the exemption, and then retroactively withdraw from the course. We will rescind this offer if you attempt to withdraw after Drop Day.
> > **iii.** YES, you can get a poor letter grade in this course, and we will still exempt you into Calculus 1, but understand that if you are attempting to gain admission to the School of Engineering, then a poor letter grade will affect your G.P.A. adversely!

(#2) If you did not earn an exemption from the methods above, then you can complete the standard path. This requires completing the work from Mike Kawai's PREREQ GROUP, a free option (also MyMathLab). You must complete the 70-Question Inventory (similar to the MATH 1130 HW group) and then score 90%+ on any one of the Real Forms (50 Questions). All PREREQ GROUP work is performed on-line, but you typically have fewer than 13 days to complete it. The earliest that you should consider taking this path is after exam #2.

Where to Get Additional Help:

- There are Teaching Assistants available to answer your questions in the MERC Lab in the North Classroom Building (NC) room 4015. This is an excellent resource! Check on the door of the lab to see their schedule.
- Try to form a study group to study and learn with; it really works for some people! Realize that there are many ways of learning and a study group may be helpful for you. Listening to a lecture and asking questions may work for someone else.
- Don't forget about me! Please, don't be afraid to ask me questions. Don't think, "I must be the only one who doesn't understand." Feel free to ask questions before, during, or after class.
- You are always welcome to drop in and see me during my open office hours (see page 1). If you can't make it during office hours then send me an email and maybe we can set up an appointment for a different time. You can also ask me questions by email! If your email contains math symbols, just type them as you would on your calculator.

Other Resources:

Academic Success and Advising Center Helps new freshmen and transfer students through academic advising, schedule planning, time management, personal support and referrals to other on-campus resources. Student Commons Building (Academic Building), Suite 1113. **Phone**: (303) 315-1940 **E-mail**: ASAC@ucdenver.edu

Career Center The center assists and guides students with understanding and leveraging their skills, personality, values and interests as they choose an academic major and determine a career direction. Services include job search and strategies, resume development and writing, practice interviews and salary negotiation. Employers may benefit from online job posting, resume referrals, on-campus interviewing, career fairs, employer presentations, and networking events. Tivoli building, Room 267 **Phone:** (303) 315-7315.

Disability Resources and Services Office DRS serves the needs of a large and diverse community of students with disabilities, providing accommodations including: assistance in identifying volunteer note-takers, alternative testing, textbooks in alternate format, priority registration, interpreters and referral to the Access center. Student Commons Building (Academic Building), Suite 2116. **Phone :** (303) 315-3510 **E-Mail:** Disabilityresources@ucdenver.edu

Office of Diversity and Inclusion The center assists faculty, students and staff with educational resource materials and training about diversity and inclusion issues. The center is also home to the successful Educational Opportunity Programs (consisting of the American Indian Student Educational Programs and Outreach, the Asian American Student Educational Programs and Outreach, the Black Student Educational Programs and Outreach, the Hispanic Student Educational Programs and Outreach, and the Student Advocacy Center) and the Women's Resource Center

First-Year Experience The First Year Experience (FYE) is a comprehensive approach to ensure first year students make a successful transition to college. Office of Undergraduate Experiences **Phone:** 303-315-2133

Experiential Learning Center Live your learning! Get real life experience through internships, cooperative education, service learning, community engagement and undergraduate research. Tivoli Student Center, Suite 260 **Phone:** 303-315-7258

Learning Resource Center The Center provides individual and group tutoring, Supplemental Instruction (SI), study skills workshops and ESL support. UCD students are eligible for 1 hour of free tutoring per class per week. Student Commons Building (Academic Building) Room 2105 **Phone:** (303) 315-3531 **E-mail** tutorialservices@ucdenver.edu

Scholarship / Resource Office Information about scholarships and guidance on the scholarship application process. Student Commons building Room 5105 **Phone:** 303-315-1850.

Student Life Office This office encourages students to take advantage of all of the academic resources, out-of-class learning and recreational opportunities that are available throughout the year at CU Denver. Tivoli Student Union Suite 303 Phone: 303-315-7288.

The University of Colorado Denver provides many other services and resources. See http://www.ucdenver.edu/life/services/Pages/index.aspx

The following policies, procedures, and deadlines pertain to all students taking courses in the College of Liberal Arts and Sciences (CLAS). They are aligned with the Official University Academic Calendar found on the Registrar's website.

Schedule Verification

It is each student's responsibility to verify that their official registration and schedule of courses is correct in UCDAccess (*not* Canvas) before courses begin and by the university census date. Failure to verify schedule accuracy is not sufficient reason to justify post-census date adds. Access to a course through Canvas is not evidence of official enrollment.

Email

Students must activate and regularly check their official CU Denver email account for university related messages. Note: Canvas is not the location to access your CU Denver email account. Log into http://www.ucdenver.edu/email/Pages/login.aspx

Administrative Drops

Students may be administratively dropped if they do not meet the pre- and/or co-requisites for a course as detailed in the UCDAccess registration system. Students may also be administratively dropped from a course if the course syllabus articulates attendance expectations prior to census date and they do not meet those attendance expectations. Please note: this procedure does not apply to all courses and students should not rely upon it; if students plan to no longer complete a course, they are responsible to drop or withdraw from the course.

Post-Census Date Adds and Late Withdrawals

Post-census date adds (i.e., adding a course after census date) require a written petition, verifiable documentation, and dean's approval via CLAS Advising. Late withdrawals (i.e., withdrawing from one or more full-semester courses after the withdrawal deadline but before the late withdrawal deadline) require a Late Withdrawal Petition submitted to CLAS Advising (NC 1030 – 303-315-7100). If petitioning to late-withdraw from individual courses, instructor signatures are required. If petitioning to late-withdraw from the entire semester, instructor signatures are not required. Contact CLAS Advising (NC 1030 – 303-315-7100) for more information on post-census date adds and late withdrawals.

Co-Requisites and Drops/Withdrawals

Students dropping a course with co-requisite(s) before or by census date must drop the course and co-requisite(s). After census date, students withdrawing from a course with co-requisite(s) before or by the withdrawal deadline must withdraw from the course and co-requisite(s). After the withdrawal deadline, until the late withdrawal deadline, students may be able to withdraw from a course or co-requisite(s) based on instructor permission and approval of a Late Withdrawal Petition.

Waitlists

The Office of the Registrar notifies students via their CU Denver email account if they are added to a course from a waitlist. Students will have access to Canvas when they are on a waitlist, but this does not indicate that the student is officially enrolled or guaranteed a seat in the course. If a student is not enrolled in a course after waitlists are purged, instructor permission is required for the student to enroll in the course. The student must complete a Late Add Form and submit it to the Registrar's Office (SCB 5005) by census date in order to enroll in the course.

Schedule Adjustment Form — Submit to Registrar (SCB 5005)

Purpose:	Approval Signatures Required:	Dates:
Receive an academic overload	*Student and CLAS Advising signatures*	*before Jan. 31 (5pm)*
Receive a time conflict override	*Student and instructor signatures*	*before Jan. 31 (5pm)*
Designate a course pass/fail or no credit	*Student signature*	*before Jan. 31 (5pm)*
Withdraw from an intensive course before the withdrawal deadline	*Student signature*	*Feb. 1 – April 1 (5pm)*

Late Add Form — Submit to Registrar (SCB 5005)

Purpose:	Approval Signatures Required:	Dates:
Add a course after the add deadline but before census date	*Student and instructor signatures*	*Jan. 22 – Jan. 31 (5pm)*

Post-Census Date Add Petition — Visit CLAS Advising (NC 1030) for more information

Purpose:	Approval Required:	Dates:
Petition to add one or more full-semester courses after census date (verifiable documentation required)	*Submitted petitions are reviewed by the CLAS Assistant Dean*	*after Jan. 31*

Late Withdrawal Petition — Submit to CLAS Advising (NC 1030)

Purpose:	Approval Signatures Required:	Dates:
Petition to late-withdraw from a course after the withdrawal deadline but before the late withdrawal deadline	*Student and instructor signatures*	*April 2 – May 2 (5pm)*
Petition to late-withdraw from all courses in the semester after the withdrawal deadline but before the late withdrawal deadline	*Student signature*	*April 2 – May 2 (5pm)*

January 16	**Beginning of Semester** – First day of classes.
January 21	**Add Deadline** – Last day to add or waitlist a course using UCDAccess. After the add deadline but before census date, instructor permission on a Late Add Form is required to add courses.

(11:59 pm)	
January 22 **(11:59 pm)**	**Drop Deadline** – Last day to drop a course without $100 drop fee, including section changes (i.e., changing to a different section of the same course). Students may drop courses using UCDAccess. **No Adding of Courses is Permitted Today** **Waitlists Purged –** All waitlists are eliminated today. Students should check their schedule in UCDAccess to confirm the courses in which they are officially enrolled. Canvas does not reflect official enrollment.
January 31 **(5 pm)** **Census Date**	**Final Add Deadline (Instructor Permission Required)** Last day to add full-semester courses. To add a full-semester course between the first add deadline and census date, instructor permission on a Late Add Form is required. Students may submit a completed Late Add Form to the Registrar's Office (SCB 5005). After census date, a written petition, verifiable documentation, and dean's approval via CLAS Advising (NC 1030 – 303-315-7100) are required to add a full-semester course. If a student's post-census date add petition is approved, the student will be charged the full tuition amount. College Opportunity Fund (COF) may not apply to courses added late, and these credits may not be deducted from students' lifetime hours. **Final Drop Deadline** Last day to drop full-semester courses with a financial adjustment. Each course dropped, including section changes, between the first drop deadline and census date generates a $100 drop fee. Students may drop courses in UCDAccess. After census date, withdrawal from courses appears on transcripts with a grade of "W," and no financial adjustment is made. After census date but before the withdrawal deadline, students may withdraw from full-semester courses using UCDAccess (instructor permission is not required). **Graduation Application Deadline** Last day to apply for graduation. Undergraduates are expected to make an appointment to see their academic advisors before census date to apply for graduation. Graduate students must complete the Intent to Graduate and Candidate for Degree forms. **Pass/Fail, No Credit Deadline** – Last day to request No Credit or Pass/Fail grade for a course using a Schedule Adjustment Form.
March 19 – 25	**Spring Break** – No classes. Campus open.
April 1 **(11:59 pm)**	**Withdrawal Deadline** After census date, students may withdraw from full-semester courses using UCDAccess (instructor permission is not required). To withdraw from an intensive course, students may use a Schedule Adjustment Form. Withdrawal from courses appears on transcripts with a grade of "W" and no financial adjustment is made. After the withdrawal deadline but before the late withdrawal deadline, students may late-withdraw by submitting a Late Withdrawal Petition to CLAS Advising (NC 1030 – 303-315-7100). Contact CLAS Advising (NC 1030 – 303-315-7100) for more information. After census date, students withdrawing from a course with co-requisite(s) before or by the withdrawal deadline must withdraw from the course and co-requisite(s). After the withdrawal deadline, until the late withdrawal deadline, students may be able to withdraw from a course or co-requisite(s) based on instructor permission and approval of a Late Withdrawal Petition.
May 2 **(5 pm)**	**Late Withdrawal Deadline** Last day to petition to late-withdraw from one or more full-semester courses. Students may petition to late-withdraw by submitting a Late Withdrawal Petition to CLAS Advising (NC 1030 – 303-315-7100). If petitioning to late-withdraw from individual courses, instructor signatures are required. If petitioning to late-withdraw from the entire semester, instructor signatures are not required. Contact CLAS Advising (NC 1030 – 303-315-7100) for more information. After the withdrawal deadline, until the late withdrawal deadline, students may be able to withdraw from a course with co-requisite(s) based on instructor permission and approval of a Late Withdrawal Petition. After the late withdrawal deadline (or after grades are posted, whichever is sooner), only retroactive withdrawals are considered and verifiable documentation is required. Contact CLAS Advising (NC 1030 – 303-315-7100) for more information on retroactive withdrawals.
May 7 – 12	**Finals Week**
May 12	**End of Semester** **Commencement Ceremony**
May 17	**Final Grades Available** – Official grades available in UCDAccess and transcripts (tentative). Canvas does not display final grades.
June 22	**Degrees Posted** – Degrees posted for graduating students on transcripts.

Tentative Course Schedule (Tue/Thu) – Spring 2018

Jan 16	P.3 – P.6	Radicals & Rational Exponents; Polynomials; Factoring Polynomials; Rational Expressions
Jan 18	P.7 – P.9	Equations; Modeling with Equations; Inequalities
Jan 23	1.1, 1.2	Graphs and Graphing Utilities; Basics of Functions and Their Graphs
Jan 25	1.3, 1.4	More on Functions; Linear Functions and Slope
Jan 30	1.5, 1.6	More on Slope; Transformations of Functions
Feb 1	1.7, 1.8	Combinations of Functions; Composite Functions; Inverse Functions
Feb 6	1.9, 1.10	Distance and Midpoint Formulas and Circles; Modeling with Functions
Feb 8	2.1, 2.2	Complex Numbers; Quadratic Functions
Feb 13	2.3	Polynomial Functions and Their Graphs; Review
Feb 15	2.4, 2.5	Review for Test #1; Dividing Polynomials; Zeros of Polynomial Functions
Feb 20		**Test #1 (Tuesday)**
Feb 22	2.6, 2.7	Rational Functions and Their Graphs; Polynomial and Rational Inequalities
Feb 27	3.1, 3.2	Exponential Functions, Logarithmic Functions
March 1	3.3, 3.4	Properties of Logarithms; Exponential and Logarithmic Equations
March 6	3.5	Exponential Growth and Decay, Modeling
March 8	4.1, 4.2	Angles and Radian Measure; Trig, Functions: the Unit Circle
March 13	4.3, 4.4	Right Triangle Trig.; Trig, Functions of Any Angle
March 15	4.5	Graphs of Sine and Cosine Functions
March 20	SPRING BREAK	No class
March 22	SPRING BREAK	No class
March 27		Review/Catch-Up
March 29		**Test #2 (Thursday)**
April 3	4.6, 4.7	Graphs of Other Trig. Functions; Inverse Trig Functions
April 5	4.8	Applications of Trig. Functions
April 10	5.1	Verifying Trigonometric Identities
April 12	5.2	Sum and Difference Formula;
April 17	5.3	Double Angle, Power-Reducing and Half Angle Formulas
April 19	5.5	Trigonometric Equations
April 24	6.3, 6.4	Polar Coordinates; Show graphs using a graphing utility
April 26	6.6	Vectors for Physics
May 1, May 3		Review/Catch-Up
TBA		**Test #3 will occur during Finals Week - May 7-12**

NOTE: I reserve the right to change the tentative schedule throughout the course of the semester.