MAC 1140
PRE-CALCULUS ALGEBRA

COURSE INFORMATION  ** EDIT

- **Course Meeting Information:** fill in days (MWF or MW), time, & location for lecture class and time & location for lab class on Thursday
- **Credit Hours:** 3 hours
- **Prerequisites:** MAC 1105 or ALEKS 61+

COURSE INSTRUCTOR  ** EDIT

- **Instructor:**
- **Email address:**
- **Office Location:**
  Office Hours and Tutoring

ELIGIBILITY

You will be deemed eligible for this course if

(1) you have credit for MAC 1102 or MAC 1105 (or an equivalent course in College Algebra) with a grade of C- or better, or

(2) you have scored in AMP Group A3 or higher, or

(3) you scored a 61 or higher on the ALEKS placement.
It is the student's responsibility to check and prove eligibility. Ineligible students will not be allowed to take this course.

See the math advisor in 205-D LOV if you have questions about your eligibility for MAC1140 or if you need to resolve eligibility issues.

**COURTESY AND ATTENDANCE**

Studies show that students who attend class get higher grades than those who skip classes. Students are expected to get to class on time and not to leave class until class has been dismissed. If you must leave class early, please let your instructor know before class begins. You are expected to attend class regularly. A student absent from class bears the full responsibility for all subject matter and procedural information discussed in class. Students whose names do not appear on the class roll cannot attend classes.

Your Instructor may use attendance quizzes as part of your grade. More information will be given in class.

**TEXTBOOK & MY MATH LAB ACCESS**


MyMathLab access is required for this class. MyMathLab includes e-book access when you register through MyLab and Mastering (under Modules in Canvas navigation). A print version of the text is optional. Students taking MAC1114 or MAC1105 use the same (e- or print) textbook. Once a student has purchased access to the e-text in MyMathLab for any one of the following courses: MAC1105, MAC1114, or MAC1140, there is no additional cost to access MyMathLab for the other two courses. Students that have purchased access for a course using a different text (for example, a chemistry class) will need to purchase access for the Sullivan text.

There is a two-week grace period in which students may access all online content before paying for access. It is recommended that students try the online options before deciding whether or not to purchase the loose-leaf textbook in addition to the access code for the online content.

To purchase online access only, students may pay for access using a credit card or PayPal when registering for MyMathLab, or they may purchase an access card from the FSU Bookstore. Students
who want to purchase the print version of the text should purchase the loose-leaf text bundled with the access code for MyMathLab at the FSU Bookstore.

All Tests and Quizzes in MAC1140 will be taken using MyMathLab. It is the student’s responsibility to have purchased access and entered the access code before temporary access expires. If you neglect to pay for access before the expiration date, it is not as simple a process to convert to full access (you will need to contact Pearson).

There will be no extensions nor excused absences for not acquiring access or for not remembering login credentials.

Use the MyLab and Mastering link in the navigation bar on the left to register in MyMathLab.

INTERNET ADDRESSES (BOOKMARK ON YOUR COMPUTER)

http://my.fsu.edu (access to myFSU)

https://canvas.fsu.edu (Course website on Canvas)

https://portal.mypearson.com/login (Course assignments on MyMathLab)

https://www.math.fsu.edu/~maltby/MAC1140/ (Department Course Site)

COURSE OBJECTIVES

This course is intended to give students important mathematical background needed for the study of more advanced courses in mathematics, engineering, and computer science.
This course covers functions and graphs, especially polynomial, rational, exponential, and logarithmic functions; systems of equations; solutions of linear systems; matrix methods; determinants; sequences and series; mathematical induction; and the binomial theorem. The course also explores applications, approximation, and methods of proof. MAC1140 may be taken concurrently with MAC1114.

**CALCULATOR POLICY**

The only authorized calculator allowed during in-class tests and quizzes is the calculator available on the computer hard drive in the lab classrooms. It can be found in the dock on the Mac's in the lab classroom, look in the "Shared Icon". No other calculators are allowed. The use of unauthorized calculators is a violation of the Academic Honor policies, as stated below, and will be dealt with accordingly.

- If you have lab class in 113 HTL or 114 HTL be aware the calculator on the Mac is version 10.13 and has a "bug" when evaluating $e^{x}$ (negative). Use $e$ and $x^{y}$ keys or $e^{x}$ and $1/x$ keys instead of $e^{x}$ when $x$ is negative.

**COURSE CONTENT**

<table>
<thead>
<tr>
<th>UNIT</th>
<th>OBJECTIVES (tentative)</th>
<th>EXAM</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit I</td>
<td>R.5, 1.3, 4.3, 5.1 – 5.6</td>
<td>Test 1</td>
<td>Thursday 9/26/19</td>
</tr>
<tr>
<td>Unit II</td>
<td>6.2 – 6.8, 11.2</td>
<td>Test 2</td>
<td>Thursday 10/24/19</td>
</tr>
<tr>
<td>Unit III</td>
<td>11.3, 11.4, 12.1 – 12.4, 13.1</td>
<td>Test 3</td>
<td>Thursday 11/21/19</td>
</tr>
<tr>
<td>Unit IV</td>
<td>13.2 – 13.5 and Units I - III</td>
<td>Final</td>
<td>To be Determined - See below</td>
</tr>
</tbody>
</table>

All unit tests will be given in your assigned lab classes on the date indicated. It is **not possible** to take your test with another lab class even on a one-time basis.

**COMPREHENSIVE FINAL EXAM**
The Final Exam covers Units I - IV. Computerized final exams will be taken during the week of December 9th. **Students must register online for exam times and locations. The University supplied exam schedule does not apply to MAC1140 because your exams are taken in a computer-equipped lab room.**

Your Final Exam will be given in one of the math departments six computer-equipped classrooms: 104 HTL, 105 HTL, 113 HTL, 114 HTL, 319 HCB, or 107 MCH. You will be randomly placed in one of those lab rooms, which may or may not be the same lab room assigned for quizzes and tests. The Final Exam will be given Monday - Thursday of finals week (December 9 - 12). You will register online for a final exam time. More information about the online registration process will be given in class before the online registration site opens.

Exam Registration will open at noon on Wednesday, November 6. You must schedule an exam time before noon on Wednesday, November 27. During this 3-week period, you will be able to change your exam time at the online registration site, depending on available times. You must check your exam schedule for your other classes carefully to avoid scheduling conflicts.

After final exam registration closes, changes, without penalty, will be made only for conflicts that involve documented changes in the exam schedule for your other classes. That is, changes will be made only if an instructor in one of your classes changes the time of the final exam from that given in the Directory of Classes, and this change conflicts with your selected MAC1140 exam time.

**A penalty (15-point deduction) will be imposed on your final exam for any other changes made after registration closes.** This includes students who fail to register before the deadline, miss their exam, changes in travel, or because of airline ticket purchases, etc.

The link for the online registration will be at the URL given below. This URL will not open until 12 noon on November 6, 2019.

https://www.math.fsu.edu/secure/bellenot/mac1105/exam/

**GRADING**

MyMathLab is used for all graded exams. Tests will have a higher percentage of multiple choice questions than quizzes. You will need to enter in the answer for most Homework problems. Some Homework problems are multiple choice, or have parts that are multiple choice. Partial credit is given only if the question has multiple parts.

Your course grade will be determined by the following formula:

\[ 25\%F + 57\%T + 8\%Q + 8\%H + 2\%A \]
Where $F =$ Final Exam Grade, $T =$ Unit Test Average ($T_1$, $T_2$, $T_3$), $Q =$ Lab Quiz Average, $H=$ Homework average, and $A =$ Attendance average.

**Your final exam counts 25% of your course grade.** The final exam is cumulative. If your final exam grade is higher than your lowest test grade, your final exam grade will replace the lowest test grade.

**Test Average counts 57%**. There are three unit tests. Your lowest test grade will be replaced by your final exam grade if and only if all unit tests were taken.

**Lab Quiz Average is 8%**. Eleven lab quizzes are scheduled this semester.

**Homework Average is 8%**. Your Homework Average includes the 27 section Homework Assignments in MyMathLab. Additional homework assignments may be included in your homework average. Your Homework Average will be posted periodically in Canvas. Your instructor will give more details in class.

**Attendance Average is 2%**. Attendance grades may include class participation and notebook checks. Your Attendance Average will be posted periodically in Canvas. Again, your instructor will give more details in class.

Letter grades will be determined from numerical grades as follows.

<table>
<thead>
<tr>
<th>A = 92.50 or above</th>
<th>B+ = 87.50 – 89.49</th>
<th>C+ = 77.50 – 79.49</th>
<th>D = 62.50 – 69.49</th>
</tr>
</thead>
<tbody>
<tr>
<td>A− = 89.50 – 92.49</td>
<td>B = 82.50 – 87.49</td>
<td>C = 72.50 – 77.49</td>
<td>D− = 59.5 – 62.49</td>
</tr>
<tr>
<td></td>
<td>B− = 79.50 – 82.49</td>
<td>C− = 69.50 – 72.49</td>
<td>F = below 59.50</td>
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**FSU ID and sharpened pencils are needed for all tests and quizzes. All other materials must be put away and be off the table during lab quizzes and exams.**

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**COURSE POLICIES**

**COMMUNICATIONS/NETIQUETTE**

For Email Communication:

- Use your FSU email for course communication.
- For email, please respond to your instructor’s and peers’ messages within a 24-hour period.
- Please keep your email short and to the point and always include your name, course, and section number.
- Use a brief description in the subject line that outlines the topic of discussion.
- Avoid using slang or profane words.
- Use your instructor’s correct title he or she prefers for communication.
- Avoid using emoticons, such as smiley faces, and maintain a professional demeanor.
• Sign your email messages using your full name.
• AVOID USING ALL CAPS. This makes the message visually difficult to read and is perceived by the reader as "shouting."
• Use correct spelling, grammar, and punctuation, just as you would for any communication.
• Ask yourself whether you would be comfortable if someone other than the intended receiver were to read it. Remember, email is not a completely secure form of communication.
• Refrain from "flaming," which is expressing a strongly held opinion without tact or regard for others. Don’t assume that recipients will know the intent of the message (e.g., "just kidding"). It reads differently when it’s in print (electronic or not).
• Report any inappropriate communication considered to be of a serious nature to your instructor, as it may be a violation of University policy.
• Treat others with respect by making messages clear and succinct.

POLICY FOR MISSED TESTS OR QUIZZES

○ Make-up Test Policy
  ▪ Excused absence: Make-up Test grade will be used. Contact your instructor as soon as possible after the absence to schedule a make-up test. Make-up Tests must be scheduled within a week of the test date.
  ▪ Unexcused absence: With instructor permission, an unexcused absence from one unit test may have the final exam minus a penalty (maximum 20-point deduction) applied for that test grade.
○ No Make-up Quizzes will be given
  ▪ Excused absence: "EX" will be recorded in Canvas. No grade will be assigned to the missed quiz.
  ▪ Unexcused absence: A grade of zero will be assigned for an unexcused quiz grade.
○ No early tests or quizzes will be given. No quiz or test grades will be dropped. It is not possible to take a lab test or lab quiz with another lab class.
○ Lab quizzes, tests, and exams are expected to be products of individual students as per the FSU Academic Honor Policy. (http://registrar.fsu.edu/bulletin/undergraduate/information/integrity/).

MAC1140 Guidelines for Excused Absences:

1. Students must provide advance notice of absences (when possible) as well as relevant documentation regarding absences to the instructor as soon as possible following the illness or event that led to an absence.
2. Regardless of whether an absence is excused or unexcused, the student is responsible for making up all work that is missed.
3. A test absence or quiz absence will be excused only if the student presents sufficient verifiable evidence of acceptable, extenuating, unavoidable circumstances.
4. An acceptable medical excuse must state explicitly that the holder should be excused from class on the day of the absence.
5. Any medical documentation that simply indicates the student was seen by a medical professional, but neglects to include the date(s) the student is excused from class, is not sufficient for establishing an excused absence.
6. Students absent because of a family death must show evidence of the relationship to the deceased via an obituary or other documentation.
7. Official University activities include official events at which the student is representing the University, such as athletic competitions and academic activities sponsored by a student's academic department or college.
8. Students will not be given excused absences to attend family functions or non-university activities.
9. Registered Student Organizations (RSO’s) and Greek Life activities are not considered official university activities.

See the ``University Attendance Policy" below for acceptable reasons for an excused absence.

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**UNIVERSITY POLICIES**

**UNIVERSITY ATTENDANCE POLICY**

Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

**ACADEMIC HONOR POLICY**

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to "...be honest and truthful and... [to] strive for personal and institutional integrity at Florida State University." (For more details see the [FSU Academic Honor Policy and procedures for addressing alleged violations](http://fsu.edu/academic-resources/academic-integrity-and-grievances/academic-honor-policy).)
Students with disabilities needing academic accommodation should (1) register with and provide documentation to the Student Disability Resource Center and (2) bring a letter to the instructor indicating the need for accommodation and what type. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from the Student Disability Resource Center has been provided. This syllabus and other class materials are available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the:

**Student Disability Resource Center (Tallahassee Campus)** ([https://dos.fsu.edu/sdrc/](https://dos.fsu.edu/sdrc/))
874 Traditions Way
108 Student Services Building
Florida State University
Tallahassee, FL 32306-4167
(850) 644-9566 (voice)
(850) 644-8504 (TDD)
Email: sdrc@admin.fsu.edu ([mailto:sdrc@admin.fsu.edu](mailto:sdrc@admin.fsu.edu))

**Students Disability Resource Center (Panama City Campus)** ([https://pc.fsu.edu/students/student-disability-services](https://pc.fsu.edu/students/student-disability-services))
Dr. Kimberly Leath
Office of Student Affairs
2nd Floor Barron Building (Room 215)
Email: kleath@fsu.edu ([mailto:kleath@fsu.edu](mailto:kleath@fsu.edu)) or sds@pc.fsu.edu ([mailto:sds@pc.fsu.edu](mailto:sds@pc.fsu.edu))
(850) 770-2172 (office)
(866) 693-7872 (toll free)

**FREE TUTORING FROM FSU (TALLAHASSEE CAMPUS)**

On-campus tutoring and writing assistance are available for many courses at Florida State University. For more information, visit the Academic Center for Excellence (ACE) Tutoring Services' comprehensive list of on-campus tutoring options - see the Academic Center for Excellence (ACE) Tutoring Services' website ([http://ace.fsu.edu/tutoring](http://ace.fsu.edu/tutoring)). or contact tutor@fsu.edu ([mailto:tutor@fsu.edu](mailto:tutor@fsu.edu)). High-quality tutoring is available by appointment and on a walk-in basis. These services are offered by tutors trained to encourage the highest level of individual academic success while upholding personal academic integrity.

**SYLLABUS CHANGE POLICY**

"Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice."
STUDENT RESPONSIBILITIES

- Students should log on to Canvas at least every other day to check for course updates.
- Students are expected to keep up with the class, engage with the course material, and submit assignment by due dates.
- Assignments, quizzes, and exams are expected to be products of individual students as per the FSU Academic Honor Policy (http://registrar.fsu.edu/bulletin/undergraduate/information/integrity/).
  Students should not discuss any of the questions with each other before or during the actual assignments, activities, quizzes, or exams without instructor approval.
- To receive maximum points for questions, students need to follow the instructions carefully, follow word limits as instructed, and use proper notation.
- To be successful in this course, students need to complete all required assignments and tests.

ADDITIONAL INFORMATION ABOUT MAC1140

The first meeting of your Lab Class will be Thursday, August 29th. You will register in MyMathLab, if you have not done so already, and take Quiz 1 (Policies). It is an introduction to MyMathLab and a Course Policies quiz, not a quiz on precalculus topics. Quiz 1 may be taken multiple times, until you get 100%.

All Unit Tests will be given in Lab Class. Every Thursday in which no Unit Test is scheduled, a Lab Quiz will be given. FSU ID and sharpened pencils are needed for all tests and quizzes. All other materials must be put away and be off the table during lab quizzes and exams.

On days in which there is a Quiz, students should bring in their notes from lecture, scrap paper, pencils, eraser, and picture ID. The first half of lab class you will have time to practice the objectives on the Quiz & ask questions.

On days in which there is a Unit Test, students should bring picture ID, pencils and eraser. Scrap paper will be provided. You will have the entire lab time for the Test. No notes are allowed in the lab. Students may not study or practice in the lab classroom on test days.

- Important: You must attend the Lab section for which you are registered. You may change sections only during DROP/ADD.
Note all Lab Quiz & Test dates on your calendar. Quizzes and Tests must be taken in your lab meeting time on Thursday. Students who miss a Unit Test must contact their instructor within a week to schedule a make-up test.

Doing problems and keeping up with the material is an important part of any mathematics course. Regular and thoughtful working of online practice problems in MML, with an emphasis on learning the math concepts and allowing time to ask questions, is very important to your success in this course. Mathematics builds on itself and mastery of the previous material is needed to learn new material.

HELP SESSIONS

Help sessions run by one of the Senior Teaching Assistants who teach MAC1140 are offered each Wednesday before Thursday's Lab Quiz or Lab Test.

Help Sessions begin on Wednesday during the second week of classes. Location and times will be announced by your instructor.

CANVAS SUPPORT

Need help with Canvas? Contact FSU Canvas Support:

✉️ Email: help@campus.fsu.edu (mailto:help@campus.fsu.edu)
📞 Phone: (850) 644-8004
🌐 Website: distance.fsu.edu/canvas (http://distance.fsu.edu/canvas/)
⏰ Hours: 8 am to 5 pm, Monday - Friday

Course Summary:

<table>
<thead>
<tr>
<th>Date</th>
<th>Details</th>
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<tr>
<th>Date</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thu Aug 29, 2019</td>
<td>Quiz 1 (Policies) (<a href="https://canvas.fsu.edu/courses/22732/assignments/82673">https://canvas.fsu.edu/courses/22732/assignments/82673</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Sep 5, 2019</td>
<td>Quiz 2 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82675">https://canvas.fsu.edu/courses/22732/assignments/82675</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Sep 12, 2019</td>
<td>Quiz 3 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82677">https://canvas.fsu.edu/courses/22732/assignments/82677</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Sep 19, 2019</td>
<td>Quiz 4 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82678">https://canvas.fsu.edu/courses/22732/assignments/82678</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Sep 26, 2019</td>
<td>Test 1 (<a href="https://canvas.fsu.edu/courses/22732/assignments/75679">https://canvas.fsu.edu/courses/22732/assignments/75679</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Oct 3, 2019</td>
<td>Quiz 5 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82679">https://canvas.fsu.edu/courses/22732/assignments/82679</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Oct 10, 2019</td>
<td>Quiz 6 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82680">https://canvas.fsu.edu/courses/22732/assignments/82680</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Oct 17, 2019</td>
<td>Quiz 7 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82681">https://canvas.fsu.edu/courses/22732/assignments/82681</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Oct 24, 2019</td>
<td>Test 2 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82670">https://canvas.fsu.edu/courses/22732/assignments/82670</a>) due by 11:59pm</td>
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<tr>
<td>Thu Oct 31, 2019</td>
<td>Quiz 8 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82682">https://canvas.fsu.edu/courses/22732/assignments/82682</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Nov 7, 2019</td>
<td>Quiz 9 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82683">https://canvas.fsu.edu/courses/22732/assignments/82683</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Nov 14, 2019</td>
<td>Quiz 10 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82684">https://canvas.fsu.edu/courses/22732/assignments/82684</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Nov 21, 2019</td>
<td>Test 3 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82671">https://canvas.fsu.edu/courses/22732/assignments/82671</a>) due by 11:59pm</td>
</tr>
<tr>
<td>Thu Dec 5, 2019</td>
<td>Quiz 11 (<a href="https://canvas.fsu.edu/courses/22732/assignments/82685">https://canvas.fsu.edu/courses/22732/assignments/82685</a>) due by 11:59pm</td>
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- **Attendance Average** ([https://canvas.fsu.edu/courses/22732/assignments/567807](https://canvas.fsu.edu/courses/22732/assignments/567807))
- **Final Exam** ([https://canvas.fsu.edu/courses/22732/assignments/221200](https://canvas.fsu.edu/courses/22732/assignments/221200))
- **Homework Average** ([https://canvas.fsu.edu/courses/22732/assignments/567806](https://canvas.fsu.edu/courses/22732/assignments/567806))
- **Quiz 12** ([https://canvas.fsu.edu/courses/22732/assignments/568299](https://canvas.fsu.edu/courses/22732/assignments/568299))