Fall 2015

MATH 1125

L. Mancuso

University of New Orleans

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Office: MATH 233
Office Phone: 280-6502
Email Address: LMancuso@uno.edu

Prerequisites: You must have an ACT score \( \geq 22 \), a SAT score \( \geq 520 \), a Compass Algebra score \( \geq 66 \), or a C or better in Math 1115.

Required Materials:
1. MyMathLab (MML)
   
   *****You may purchase MyMathLab online at [http://www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com) using the instructions located on page 4 of this syllabus. Purchasing MyMathLab online includes an electronic copy of the book.

   *****If you would like to have a paper copy of the textbook **Precalculus – 10th Edition, by Michael Sullivan. ISBN: 9781256941408** and not the online textbook, then you may purchase both the textbook and MyMathLab (packaged together) in the UNO bookstore.

2. Calculator: ONLY TI-30X II, TI-30 X IIs, TI-30IIB, TI-30-XS, TI-30XB, or equivalent calculators approved ahead of time by the instructor (NO graphing calculators, smart phones, or any other device that can communicate wirelessly will be allowed)

3. Access to a computer with reliable internet access

   *I highly recommend a three ring binder with tabbed sections for notes, a place to work homework and quiz problems. Please keep your work organized 😊. It will help you succeed!*

Communication: Please stay in communication with me and contact me if you have any questions at all. All correspondence will be made through the e-mail address that you register with in MyMathLab. Make sure that you check your email frequently and check the home page when you log into MyMathLab.

Recommendations: Read the lecture notes before you attempt to take a quiz or do any homework. Watch the video lectures, using MyMathLab, for the sections in the textbook before you attempt to take a quiz or do any homework. Take notes while watching the video lectures, pausing the video when necessary. Work all homework and quiz problems out completely, showing all work, and keep this organized in a binder for easy reference. Use all allowed attempts for homework and quizzes to ensure the best grade and best understanding of the material. Keep up with all MyMathLab homework/quiz assignments and complete them gradually and not on the due date. Make sure to redo the problems on your own once after getting help to make sure you understand the concept. Seek help from me as soon as possible if you are unsure about anything at all. Check your email often, and make sure that my email address is listed in your contacts so that my email messages do not go to your spam folder. When working out a study guide before a test, try not to use any help resources. This will give you a better idea of what you know and what you don’t know. PLEASE remember that I am here to help you and I hope you enjoy this course 😊.
**Attendance:** Since you will not have the lecture component of 3 hours per week as in a face-to-face class, it will be up to you to spend that time reading the textbook and watching the video lectures to learn the material. Therefore, it is highly recommended that you log in and work on this course on at least 4 different dates per week.

<table>
<thead>
<tr>
<th>Week of</th>
<th>Sections Covered</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 19th</td>
<td>A.6 / A.10</td>
<td>Solving Equations / nth Roots; Rational Exponents</td>
</tr>
<tr>
<td>August 23rd</td>
<td>A.7</td>
<td>Complex Numbers; Quadratic Equations in the Complex Number System</td>
</tr>
<tr>
<td>August 30th</td>
<td>A.9</td>
<td>Interval Notation; Solving Inequalities</td>
</tr>
<tr>
<td>1.3</td>
<td>Lines</td>
<td></td>
</tr>
<tr>
<td>1.4</td>
<td>Circles</td>
<td></td>
</tr>
<tr>
<td>September 7th</td>
<td>A.6 – 1.4</td>
<td>Test 1 (will open Sept 7th at 12:00AM and will close Sept 10th at 11:59 PM)</td>
</tr>
<tr>
<td>2.1</td>
<td>Functions</td>
<td></td>
</tr>
<tr>
<td>September 13th</td>
<td>2.2</td>
<td>The Graph of a Function</td>
</tr>
<tr>
<td>2.3</td>
<td>Properties of Functions</td>
<td></td>
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<tr>
<td>September 20th</td>
<td>2.4</td>
<td>Library of Functions; Piecewise-defined Functions</td>
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<tr>
<td>2.5</td>
<td>Graphing Techniques: Transformations</td>
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<tr>
<td>September 27th</td>
<td>2.6</td>
<td>Mathematical Models: Building Functions</td>
</tr>
<tr>
<td>2.1 – 2.6</td>
<td>Test 2 (will open Sept 30th at 12:00AM and will close Oct 3rd at 11:59 PM)</td>
<td></td>
</tr>
<tr>
<td>October 4th</td>
<td>3.3</td>
<td>Quadratic Functions and Their Properties</td>
</tr>
<tr>
<td>A.6 – 3.3</td>
<td>Review for Midterm Exam</td>
<td></td>
</tr>
<tr>
<td><strong>Midterm Exam</strong></td>
<td><strong>Saturday, October 10th</strong></td>
<td><strong>11:00 AM – 1:00 PM</strong></td>
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<tr>
<td>October 11th</td>
<td>A.3/A.4</td>
<td>Polynomials; Synthetic Division</td>
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<tr>
<td>4.1</td>
<td>Polynomial Functions and Models</td>
<td></td>
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<tr>
<td>October 18th</td>
<td>4.2</td>
<td>Properties of Rational Functions</td>
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<tr>
<td>4.3</td>
<td>The Graph of a Rational Function</td>
<td></td>
</tr>
<tr>
<td>October 25th</td>
<td>4.4</td>
<td>Polynomials and Rational Inequalities</td>
</tr>
<tr>
<td>3.3 – 4.4</td>
<td>Test 3 (will open Oct 30th at 12:00AM and will close Nov 2nd at 11:59 PM)</td>
<td></td>
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<tr>
<td>November 1st</td>
<td>4.5</td>
<td>The Real Zeros of a Polynomial Function</td>
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<tr>
<td>4.6</td>
<td>Complex Zeros; Fundamental Theorem of Algebra</td>
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<tr>
<td>November 8th</td>
<td>5.1</td>
<td>Composite Functions</td>
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<td>5.2</td>
<td>One-to-One Functions; Inverse Functions</td>
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<tr>
<td>November 15th</td>
<td>11.1</td>
<td>Systems of Linear Equations: Substitution and Elimination</td>
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<tr>
<td>November 22nd</td>
<td>11.6</td>
<td>Systems of Nonlinear Equations</td>
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<tr>
<td>11.3</td>
<td>Systems of Linear Equations: Determinants</td>
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<tr>
<td>November 29th</td>
<td>4.5 – 11.3</td>
<td>Test 4 (will open Nov 29th at 12:00AM and will close Dec 2nd at 11:59 PM)</td>
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<tr>
<td>A.6 – 11.3</td>
<td>Review for Final Exam</td>
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<tr>
<td><strong>Final Exam</strong></td>
<td><strong>Monday, December 7th</strong></td>
<td><strong>10 AM – 12 NOON</strong></td>
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THESE DATES ARE **TENTATIVE** AND MAY CHANGE.

**Important Dates:**
- Labor Day Holiday: Sept. 7
- Last Day to Drop Courses: Oct. 14
- Mid-semester Break: Oct. 15-16
- Thanksgiving Break: Nov. 26-27

**Notes:**
- The final exam is departmental and comprehensive.
- There will be no extra credit given in this course.
Assignments/Homework: The homework assignments for this course will be completed in the “Homework” section of MyMathLab. You need to spend some time daily with the material. You may do each assignment and rework problems more than once to increase your score. If you get a problem wrong you can select “Similar Exercise” to get a new problem. If you need help with any homework, you may see me during my office hours or go to the Tutoring Center in MATH 105. I am also willing to help you via e-mail.

Quizzes: The quizzes for this course will be completed in the “Quizzes & Tests” section of MyMathLab. You will see the due dates for each quiz displayed on the left hand side of the quiz when you visit the “Quizzes & Tests” section. The quizzes are worth 17% of your overall average in the course. Each quiz can be taken more than once before its deadline, but only your highest score on the quiz will be used in your overall average. You will be required to score a minimum of 80% on section homework before you can attempt the quiz for that section. Three quiz grades will be dropped at the end of the semester to accommodate any missed quizzes.

Tests: Over the course of this semester there will be 4 Tests assigned. The Tests for this course will be completed in the “Quizzes & Tests” section of MyMathLab. Each test will be timed. Once the test is available, you will see the due date for the test displayed on the left hand side of the test when you visit the “Quizzes & Tests” section. The tests are worth 20% of your overall average in the course. Study guides for each of these tests will be located in the “Homework” section of MyMathLab. Make sure that you complete each study guide before taking each test.

To ensure academic integrity, all students enrolled in distance learning courses at the University of New Orleans may be required to participate in additional student identification procedures. At the discretion of the faculty member teaching the course, these measures may include on-campus proctored examinations, off-site or online proctored examinations, or other reasonable measures to ensure student identity. Authentication measures for this course are identified below and any fees associated are the responsibility of the student.

Midterm and Final Exam: The midterm and final exam will be taken on campus at UNO. Both exams will be pencil-and-paper exams, they will be hand graded, and will contain NO multiple choice. These exams will NOT be taken in MyMathLab. The dates for each exam are listed in the Tentative Instructional Outline found on page 2 of this syllabus. The midterm exam is worth 30% of your overall average in the course. The Final exam is worth 33% of your overall average in the course and is comprehensive and departmental. If you are an out of area student, you must contact me as soon as possible to discuss an acceptable off campus testing facility and to obtain a “Proctor Request Form”.

Make-up exam policy: A make-up exam may be given for a verifiable excuse and will be handled on a case-by-case basis.

Extra Help/Tutoring: Please come to my office hours on campus or e-mail me if you have a question. However, there is also free tutoring in the Math Tutor Center (Math 105). Based upon the availability of tutors, the math department may be able to provide free one-on-one tutoring.

Letter Grade Assignment:
The grading scale for this course is

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>80% - 89%</td>
<td>B</td>
</tr>
<tr>
<td>70% - 79%</td>
<td>C</td>
</tr>
<tr>
<td>60% - 69%</td>
<td>D</td>
</tr>
<tr>
<td>59% and below</td>
<td>F</td>
</tr>
</tbody>
</table>
To register for Fall 2015 Math 1125 – 476 internet:

1. Go to www.pearsonmylabandlamstering.com
2. Under Register, click Student.
3. Enter your instructor’s course ID: mancuso49938, and click Continue.
4. Sign in with an existing Pearson account or create an account:
   - If you have used a Pearson website (for example, MyITLab, MyMathLab, or MyPsychlab), enter your Pearson username and password. Click Sign In.
   - If you do not have a Pearson account, click Create. Write down your new Pearson username and password to help you remember them.
5. Select an option to access your instructor’s online course:
   - Use the access code that came with your textbook or that you purchased separately from the bookstore.
   - Buy access using a credit card or PayPal.
   - If you are waiting on financial aid, you can get 14 days of temporary access. (Look for a link near the bottom of the page.)
6. Click Go To Your Course on the confirmation page. Under MyLab/Mastering New Design on the left, click Fall 2015 Math 1125 – 476 internet to start your work.

Retaking or continuing a course?

If you are retaking this course or enrolling in another course with the same book, be sure to use your existing Pearson username and password. You will not need to pay again. Under Register, click Student.

To sign in later:

1. Go to www.pearsonmylabandmastering.com
2. Click Sign in.
3. Enter your Pearson account username and password. Click Sign In.
4. Under My Lab/Mastering New Design on the left, click Fall 2015 Math 1125 – 476 internet to start your work.

Additional Information

See Students > Get Started on the website for detailed instructions on registering with an access code, credit card, PayPal, or temporary access.
Student Learning Outcomes: Upon successful completion of this course the student will be able to:

- Perform basic operations using complex numbers
- Solve linear equations and linear inequalities
- Solve quadratic equations, radical equations, equations that are quadratic in form, and absolute value equations
- Solve polynomial, rational, and absolute value inequalities
- Use basic graphing techniques to graph lines and circles
- Determine the domain and range of functions
- Graph polynomial, exponential, logarithmic, and special functions
- Perform basic operations with the algebra of functions, including the composition of functions
- Find and graph the inverse of a function

Student Conduct: The University of New Orleans is a multicultural community composed of diverse students, faculty, and staff. UNO will not tolerate discrimination or harassment of any person or group of persons based on race, color, religion, sex, disability, national origin, age, sexual orientation, marital or veteran status or any other status protected by law. Each member of the university is held accountable to this standard, which is strongly reflected in this code. Please be respectful to the rights and perspectives of others.

Academic Integrity: Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty will not be tolerated. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty. Please be respectful to the rights and perspectives of others.

Accommodations for students with disabilities: It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities should contact the Office of Disability Services as well as their instructors to discuss their individual needs for accommodations. For more information, please go to http://www.ods.uno.edu/
Important Dates*
- Last day to adjust schedule w/out fee: 08/18/2015
- Semester Classes Begin: 08/19/2015
- Last day to adjust schedule w/fee, or withdraw with 100% refund: 08/25/2015
- Last day to apply for December commencement: 09/25/2015
- Final day to drop a course or resign: 10/14/2015
- Mid-semester examinations: 10/05-10/09/2015
- Final examinations: 12/07-12/11/2015
- Commencement: 12/18/2015

*Note: check Registrar’s website for Saturday and A/B sessions, and for items not listed here: http://www.registrar.uno.edu

Fall Semester Holidays
- Labor Day: 09/07/2015
- Mid-semester break: 10/15-10/16/2015

Withdrawal Policy – Undergraduate only
Students are responsible for initiating action to resign from the University (withdraw from all courses) or from a course on or before dates indicated in the current Important dates calendar. Students who fail to resign by the published final date for such action will be retained on the class rolls even though they may be absent for the remainder of the semester and be graded as if they were in attendance. Failure to attend classes does not constitute a resignation. Check the dates on the Registrar’s website, http://www.registrar.uno.edu. Please consult The Bulletin for charges associated with dropping and adding courses.

Incomplete Policy – Undergraduate only
The grade of I means incomplete and is given for work of passing quality but which, because of circumstances beyond the student’s control, is not complete. The issuance of the grade of I is at the discretion of the faculty member teaching the course. For all graduate and undergraduate students, a grade of I becomes a grade of F if it is not converted before the deadline for adding courses for credit (as printed in the Important Dates Calendar) of the next regular semester including summer semester.

Repeat Policy
When a student is permitted to repeat a course for credit, the last grade earned shall be the one which determines course acceptability for degree credit. A student who has earned a C or better in a course may not repeat that course unless, (1) the catalog description indicates that the course may be repeated for credit, or (2) the student’s Dean gives prior approval for documented extenuating circumstances.

Academic Dishonesty Policy

Safety Awareness Facts and Education
Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://www.uno.edu/student-affairs-enrollment-management/

UNO Counseling Services and UNO Cares
UNO offers care and support for students in any type of distress. Counseling Services assist students in addressing mental health concerns through assessment, short-term counseling, and career testing and counseling. Find out more at http://www.uno.edu/counseling-services/ First-year students often have unique concerns, and UNO Cares is designed to address those students succeed. Contact UNO Cares through http://www.uno.edu/fye/uno-cares.aspx.

Emergency Procedures
Sign up for emergency notifications via text and/or email at E2Campus Notification: http://www.uno.edu/ehso/emergency-communications/index.aspx. All emergency and safety procedures are explained at the Emergency Health and Safety Office: http://www.uno.edu/ehso/

Diversity at UNO
As the most diverse public university in the state, UNO maintains a Diversity Affairs division to support the university’s efforts towards creating an environment of healthy respect, tolerance, and appreciation for the people from all walks of life, and the expression of intellectual point of view and personal lifestyle. The Office of Diversity Affairs promotes these values through a wide range of programming and activities. http://diversity.uno.edu/index.cfm

Learning and Support Services
Help is within reach in the form of learning support services, including tutoring in writing and math and other supplemental instruction. Visit the Learning Resource Center in LA 334, or learn more at http://www.uno.edu/lrc/

Affirmative Action and Equal Opportunity
UNO is an equal opportunity employer. The Human Resource Management department has more information on UNO’s compliance with federal and state regulations regarding EEOC in its Policies and Resources website: http://www.uno.edu/human-resource-management/policies.aspx