

## **Contact Information**

### **Instructor**

Name: Tyler Noel

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Office Hours: TBD

Office: Online

Meeting Times: M,T,W,R,F (9:30 AM – 10:45 AM)

Class Location: MAT 0013

## **Introduction**

### **Course Description**

In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of equations, functions, and their graphs. Emphasis will be placed on quadratic, exponential, and logarithmic functions. Topics will include solving equations and inequalities, definition and properties of a function, domain and range, transformations of graphs, operations on functions, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications.

### **Prerequisite, course sequence, and credit**

This course covers 3 credit hours of General Education Mathematics (M) requirements. You must complete the ALEKS placement exam prior to registering for this course. This course assumes prior knowledge of intermediate algebra (Algebra 2) and the ability to do arithmetic without a calculator.

### **Required Materials**

The course text will be made available for free on Canvas. There is no textbook purchase required.

- College Algebra 2e, published by OpenStax

### **E-Learning and Canvas**

Canvas will be your main resource for this course. All class announcements, assignments, lecture outlines, lecture videos, and other information will be available via Canvas. You are responsible for ensuring that your grades are accurate.

### **Calculator Policy**

A basic calculator will be provided for assessments. No other calculator or electronic device is allowed.

A calculator will sometimes be needed to complete homework questions. Desmos is a good online calculator.

## **Success**

Success in MAC1105 comes from your effort and attitude. Spending time and energy to complete the class materials is critical. Research has shown that it is more effective to do a small amount of math every day rather than a large amount in a single day.

Most of the learning you will do in this course will come from the work you do on the course assignments. Mathematics is not a spectator sport. Watching someone solve a problem is very different from being able to solve it yourself. To be successful, you must be willing to practice until you can answer questions independently.

## **Course Content**

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This course is designed to prepare you for the MAC 1140 and MAC 1147 courses, as well as prepare you for the calculus sequence.

- Core Modules Covered in this course:
  1. Real Numbers and Functions
  2. Linear Functions
  3. Linear Inequalities
  4. Quadratic Functions
  5. Radical Functions
  6. Polynomial Functions
  7. Rational Functions
  8. Logarithmic and Exponential Functions

By the end of the six-week period, you will have covered all 8 of these modules.

## **Assignments and Grading**

As this is a course designed to prepare you for success, the grading will be heavily based on homework, worksheets, and mastery quizzes (rather than traditional tests).

### Homework (35%)

You will have weekly homework assignments that correspond with the material covered during the week. Expect to have 2 to 3 homework assignments per week. You will be completing homework through MyOpenMath.

### In-Class Worksheets (30%)

Throughout the week you will be expected to work on in-class worksheets to ensure you are learning the material and able to communicate that effectively. These worksheets will be collected and graded by me.

### Mastery Quizzes (30%)

At the end of each week, you will be given a Mastery Quiz which will effectively test how well you mastered the content covered during the week. These will be collected and graded by me.

### Attendance (5%)

You are expected to attend class. The only way to ensure you are properly learning the material is to be present during class. Attendance will be collected by signing a sheet of paper at the start of class.

## **Grade Scale**

A:	95% - 100%
A-:	90% - 94.9%
B+:	85% - 89.9%
B:	80% - 84.9%
B-:	75% - 79.9%
C+:	70% - 74.9%
C:	65% - 69.9%
D:	60% - 64.9%
F:	below 60%

## **UF Policies**

### University Policy on Accommodating Students with Disabilities

Students with disabilities requesting accommodations should first register with the [Disability Resource Center](#) [Links to an external site.](#) (352-392-8565) by providing appropriate documentation. Once registered, students will receive an accommodation letter that must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

### University Policy on Academic Conduct

UF students are bound by The Honor Pledge, which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code." On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The [Student Honor Code and Student Conduct Code](#) [Links to an external site.](#) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

### Plagiarism

The [Student Honor Code and Student Conduct Code](#) [Links to an external site.](#) states that:

"A Student must not represent as the Student's own work all or any portion of the work of another. Plagiarism includes but is not limited to:

- Stealing, misquoting, insufficiently paraphrasing, or patch-writing.
- Self-plagiarism, which is the reuse of the Student's own submitted work, or the simultaneous submission of the Student's own work, without the full and clear acknowledgment and permission of the Faculty to whom it is submitted.
- Submitting materials from any source without proper attribution.
- Submitting a document, assignment, or material that, in whole or in part, is identical or substantially identical to a document or assignment the Student did not author."

### Technical Difficulties

For help with technical issues or difficulties with Canvas, please contact the UF Computing Help Desk at:

- [UF Help Desk](#) [Links to an external site.](#)
- 352-392-HELP (4357)

- Walk-in: HUB 132

Any requests for make-ups (assignments, exams, etc.) due to technical issues should be accompanied by the ticket number received from the UF Computing Help Desk when the problem was reported to them. The ticket number will document the time and date of the problem. You should email your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

## Health and Wellness

- **U Matter, We Care:** If you or someone you know is in distress, please email [umatter@ufl.edu](mailto:umatter@ufl.edu), call 352-392-1575, or visit [U Matter We CareLinks to an external site.](#) to refer or report a concern, and a team member will reach out to the student in distress.
- **Counseling and Wellness Center:** Visit the [UF Counseling & Wellness CenterLinks to an external site.](#) website or call 352-392-1575 for information on crisis services and non-crisis services.
- **Student Health Care Center:** Call 352-392-1161 for 24/7 information to help you find the care you need, or visit the [UF Student Health Care CenterLinks to an external site.](#) website.
- **University Police Department:** Visit the [UF Police DepartmentLinks to an external site.](#) website or call 352-392-1111 (or 9-1-1 for emergencies).
- **UF Health Shands Emergency Room/Trauma Center:** For immediate medical care in Gainesville, call 352-733-0111, or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; Visit the [UF Health Shands Emergency Room/Trauma CenterLinks to an external site.](#) website.

## Academic and Student Support

- **Career Connections Center:** For career assistance and counseling services, visit the [UF Career Connections CenterLinks to an external site.](#) website or call 352-392-1601.
- **Library Support:** For various ways to receive assistance concerning using the libraries or finding resources, visit the [UF George A. Smathers Libraries Ask-A-LibrarianLinks to an external site.](#) website.
- **Teaching Center:** For general study skills and tutoring, visit the [UF Teaching CenterLinks to an external site.](#) website or call 352-392-2010.
- **Writing Studio:** For help with brainstorming, formatting, and writing papers, visit the [University Writing Program Writing StudioLinks to an external site.](#) website or call 352-846-1138.

## Course Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available on the GatorEvals [Providing](#)

[Constructive FeedbackLinks to an external site.](#) FAQ page. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via the [GatorEvalsLinks to an external site.](#) website. Summaries of course evaluation results are available to students at the [GatorEvals Public ResultsLinks to an external site.](#) page. More information about UF's course evaluation system can be found at the [GatorEvals Faculty EvaluationsLinks to an external site.](#) website.

### Tips for Success

Taking a course online can be a lot of fun! Here are some tips that will help you get the most of this course while taking full advantage of the online format:

- Schedule "class times" for yourself. It is important to do the coursework on time each week. You will receive a reduction in points for work that is turned in late!
- Read ALL of the material contained on this site. There is a lot of helpful information that can save you time and help you meet the objectives of the course.
- Print out the Course Summary located in the Course Syllabus and check things off as you go.
- Take full advantage of the online discussion boards. Ask for help or clarification of the material if you need it.
- Do not wait to ask questions! Waiting to ask a question might cause you to miss a due date.
- Do your work well before the due dates. Sometimes things happen. If your computer goes down when you are trying to submit an assignment, you'll need time to troubleshoot the problem.
- To be extra safe, back up your work to an external hard drive, thumb drive, or through a cloud service.