

Welcome to Math 1172!

Words of Encouragement:

Mathematics can be a difficult subject to learn and an even harder one to master. A common misconception is that people either “get” math or they do not. In reality, learning math can be fun! It “merely” takes time, dedication, and practice. If you do not understand a concept right away, you are in the same boat with most other students. The role of your lecturer and TA is to help everyone understand the material and to help individual students iron out any specific difficulties that arise while working the course exercises.

From the OSU Math Department:

The Math Department has worked very hard to design this course to meet the following goals:

1. To develop proficient computational skills needed in future science and engineering courses.
2. To develop a conceptual understanding of single variable integral calculus and series.
3. To incorporate examples from other STEM disciplines into the course in order to demonstrate relevant applications of mathematical principles.

Philosophy of Assessment:

Mathematics is a field full of conceptual richness and practical applications. While the practical application of mathematical concepts is extremely important, a conceptual understand of concepts is imperative in order to use mathematics as an effective tool. The course assessment material will contain both computational questions as well as problems that require you to demonstrate your conceptual understanding of the material.

All of the course practice has been designed with the aforementioned goals and assessment philosophy in mind. There is ample practice material available on Carmen in the worksheets and sample exams. This material will serve as the basis for the assessments (quizzes and exams) for this semester. We have worked very hard to create this material, and we hope that you utilize it diligently.

Learning Path:

The following is a recommended strategy for learning the course material:

1. Attend lecture and recitation. Take good notes and ask your instructor about anything you do not understand. Spending a short amount of time before lecture skimming the section to be covered that day is highly recommended!
2. The same day that you learn a new concept, work a few problems from the worksheets, your MML assignments, or the Worksheets to make sure you can do problems. The only way to learn math is to do math!
3. Work all of the problems on the Math 1172 course page, which can be found by following this link:
<https://math.osu.edu/math-1172-practice-problems>
These problems along with the MML homework questions will serve as the basis for your quiz and exam questions! In addition, detailed step-by-step solutions are provided for every problem! A page of errata will be maintained on Carmen.
4. If there is anything you do not understand from the worksheets or homework, ask your TA or recitation instructor!

Do not fall behind. Do not rush through the assignments. Ask questions as soon as you get stuck.

Log into Carmen every weekday for announcements and discussion posts.