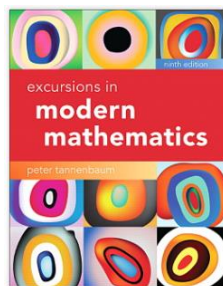


## Math Applications (Online)

### Course Preview Information



**Instructor:** Rosann Ryczek

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**Required Text:** *Excursions in Modern Mathematics*, 9<sup>th</sup> edition by Peter Tannenbaum

ISBN # 9780134468372

**Important Course Note:** This course is completely online, including office hours.

#### Course Objectives:

This course explores ways in which mathematics is used to solve real world problems in a variety of disciplines. General topics to be covered include: mathematics of elections, weighted voting, fair division, circuits, scheduling, and financial math.

#### Prerequisites and Suggestions:

- Having knowledge of Algebra is recommended.
- Being familiar with how to use Microsoft Word is suggested. Some assignments will require you to complete work in this type of document.
- Making sure that you are comfortable with using Plato is mandatory for success in this class. If you need assistance with Plato, visit or contact the Center for Instructional Technology (CIT) on campus.

#### Course Requirements:

**Homework Quizzes** – Quizzes on homework assignments will be given weekly.

**Case Studies** – You will be responsible for completing one case study for each chapter. These will be assigned based on the concepts that we are learning for that chapter. Your write-up for the case study will include detailed answers to each question showing all work.

**Plato Discussion Forum Assignments** – Throughout the course, assignments are given that need to be completed and posted to the discussion forums. For these assignments, you will be required to use Standard English along with correct grammar.

**Exams** – There will be three exams throughout the course. All three exams are mandatory to take.