**MATHEMATICS & STATISTICS - MAT**

**MAT 500 Topics in Applied Mathematics**  
4 Credits  
This course provides a brief overview of the basic tools from Linear Algebra and Multivariable calculus, with particular attention given to topics that are needed in Data Science. To facilitate students' understanding of the concepts, rigor and proofs will be de-emphasized while numerous examples will be discussed, including the use of computer software like MATLAB.

**Prerequisites:** One semester of Calculus (MAT 111 or MAT 115 at Canisius, or equivalent).

**Offered:** every summer.