MATH OFFERED THROUGH SOPA (PAMT)

PAMT 1100 Quantitative Analysis (3)
This course delves into the processes used by mathematically-literate citizens and professionals in multiple industries to make optimal decisions in their lives and careers. Students will use technology (such as calculators, Microsoft Excel, Wolfram-Alpha, visual programming languages, and calculators) to create models, providing a rigorous way of simulating and analyzing our complex world. Topics may include probability, introductory statistics, expected value, linear and exponential regression, analysis of functions and their derivatives, and infinite series. Students will explore this content through participant-centered activities and performance-based analysis of real-world contexts based on their interests and careers. Knowledge of high-school algebra is suggested, though not required.