

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.

PAMT 1940 Math Transfer Credit (3)

PAMT 2500 Statistics for Healthcare (3)

This course introduces students to the core concepts of statistics for health care. Students will leave the class with an in-depth understanding of the essential concepts regularly used in clinical practice. The course will prepare students to calculate and visualize statistical properties of data sets. Students will be able to apply research studies to clinical practice, critique current health care studies as to the significance of the results and use technology to assist in basic statistical calculations. SoPA Core Attribute: Quantitative Reasoning

PAMT 2910 Special Topics (0-3)

Special topics course as designed by visiting or permanent department faculty. For description, consult the department. Course may be repeated up to unlimited credit hours under separate title.

Maximum Hours: 99

PAMT 2940 Math Transfer Credit (3)