



4 Courses

Calculus through Data & Modelling: Series and Integration

Calculus through Data & Modelling: Techniques of Integration

Calculus through Data & Modelling: Integration Applications

Calculus through Data & Modelling: Vector Calculus



Jun 5, 2026

José Alberto Espiño Pitti

has successfully completed the online Specialization

Integral Calculus through Data and Modeling

This specialization builds on the concepts of differentiable calculus to introduce students to the notions of integral calculus of single and multivariable functions. Starting with the Fundamental Theorem of Calculus and ending with Green's Theorem, the theory and applications in this course are used to model, understand, and interpret the world around us. This is done through both theoretical and numerical techniques, with an emphasis on problem solving, interpretation of solutions, and mathematical communication. This specialization is designed for all learners, not just those interested in further mathematics courses. Those interested in the natural sciences, computer sciences, data science, or similar fields will genuinely benefit from this course.

Joseph W. Cutrone, PhD
Senior Lecturer
Mathematics
Department
Johns Hopkins
University

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