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Partial differential equation - Wikipedia

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Further he has completed online certification course " Mathematical methods and its applications " jointly with Dr. S.K. Gupta of the same department. He taught the course on " Integral equations and calculus of variations " several times to MSc (Industrial Mathematics and Informatics) students.

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Chapter 1 presents a full introduction to partial differential equations and Fourier series as related to applied mathematics. Chapter 2 begins with a more comprehensive look at the principal method for solving partial differential equations — the separation of variables — and then more fully develops that approach in the contexts of Hilbert space and numerical methods.