

## *Gtu Advance Engineering Mathematics*







### **Gtu Advance Engineering Mathematics**

Subject Code : 130002 Course Objectives Students entering in Advanced Engineering Mathematics should have a firm grasp of Calculus, linear algebra and vector calculus. They should be able to graph functions, integration and differentiation of functions, partial derivative of functions, optimization and evaluation of multiple integral.

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Advanced Engineering Mathematics (2130002) Old Code : 130002. Characterize the solutions of a differential equation with respect to initial values. Use the solution of an initial value problem to answer questions about a physical system. Determine the order of an ordinary differential equation. Classify an ordinary differential equation as linear or nonlinear.

### **2130002 | Maths-III - Advanced Engineering Mathematics ...**

GUJARAT TECHNOLOGICAL UNIVERSITY CIVIL & INFRASTRUCTURE ENGINEERING ADVANCE ENGINEERING MATHEMATICS SUBJECT CODE: 2130002 B.E. 3rd SEMESTER Type of course: Engineering Mathematics Prerequisite: The course follows from Calculus, Linear algebra Rationale: Mathematics is a language of Science and Engineering Teaching and Examination Scheme:

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