

## MATH 151 – Calculus I

**Course Description from Bulletin:** Analytic geometry. Functions and their graphs. Limits and continuity. Derivatives of algebraic and trigonometric. Applications of the derivative. Introduction to integrals and their applications.  
(4-1-5) (C)

**Enrollment:** Required for AM majors and all engineering majors

**Textbook(s):** James Stewart, *Calculus* (9th Ed.), Cengage (2021), ISBN:9781337624183  
(Recommended if the entire Calculus sequence will be taken. For MATH 151 and 152 only, Stewart's *Single Variable Calculus* suffices.)

**Other required material:** WebAssign access (comes bundled with Stewart Calculus),  
Mathematica (free download from OTS for IIT students)

**Prerequisites:** Must pass departmental pre-calculus placement exam, or grade of “C” or

<b>Assessment:</b>	Homework/Quizzes Mathematica Lab	30%
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