

MATH-133 : Calculus I

Study of calculus of a single variable. Theory of limits, continuity, differentiation, integration, and Fundamental Theorem of Calculus is studied along with applications including curve sketching, max-min problems, linear approximation, l'Hopital's Rule, Intermediate Value Theorem, Mean Value Theorem, area under a curve, and volumes of rotation. Credit may not be received for both [MATH-130](#) and [MATH-133](#).

Credits 4

Prerequisites

[MATH-120](#) or satisfactory performance on placement test