

Study Guide for Introduction to CS3113: Two Important Results from Calculus

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Bare Essentials

After reviewing the two theorems of calculus presented in class you should be able to

1. Write the Taylor series approximations of simple functions.
2. Approximate the error of a Taylor series approximation.

An Expanded Core of Knowledge

After mastering the bare essentials you should move on to a deeper understanding of the fundamentals. Doing so involves being able to

1. Explain the error term in Taylor's theorem using the mean value theorem.