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COURSE LAYOUT.

Week 1: Limits,
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continuity and partial derivatives of multivariable functions.

Week 2:

Differentiability and chain rule. Week 3: Change of variables, Euler's theorem, tangent planes, normal lines and extreme values. Week 4:

Taylor's theorem, error approximation, polar curves and multiple integrals.

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calculus - Course

It can be viewed as a sequel to the one-variable calculus text, *A Course in Calculus and Real Analysis*, published in the same series. The emphasis is on correlating general concepts and results of multivariable calculus with their counterparts in one-variable calculus.

A Course in Multivariable

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