

**UBC Math 264:
Vector Calculus for Electrical Engineering
January-April 2019**

Divergence, gradient, curl, theorems of Gauss and Stokes. Applications to Electrostatics and Magnetostatics.

Prerequisite: One of MATH 200, MATH 217, MATH 226, MATH 253, MATH 263.

Corequisite: BMEG 220.

Instructor

Dr. Philip D. Loewen

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Course Details

MATH 264 and BMEG 220 form an integrated package. Topics from both courses will be blended in all learning and evaluation activities, leading to a cumulative final examination that covers both subjects for the entire term. Course grades will be computed on the basis of the following activities:

Weekly Assignments	10%
In-class Activities	10%
Pre-class Mini-Quizzes	3%
Quizzes (best 4 of 5)	32%
Final Exam	45%
TOTAL	100%

Details of the assessment, learning goals, and conceptual content are available to registered students through UBC's E-Learning system:

<https://canvas.ubc.ca/>