Lecture Notes for ENGI 4430 "Advanced Calculus for Engineering" by Dr. G.H. George

The tenth edition (2019) has no further changes for 2021.

Changes from the ninth to tenth editions

Page 3.12: diagram of the circular disc added
Page 5.10: additional note on Newton's method added
Pages 7.10-7.11: improvement in vertical spacing, but no new text
Pages 9.19-9.20: transposition of determinants to place vectors in columns, not rows; and addition of alternative derivation of normal vector to the sphere

The first eight editions should no longer be used in this course.

G.H. George 2021 February 12