UNIVERSITY OF CALGARY

FACULTY OF SCIENCE
Department of Mathematics and Statistics

Pure Mathematics 423   Differential Geometry

(see Course Descriptions under the year applicable: http://www.ucalgary.ca/pubs/calendar/)

Syllabus

Topics

Review of vector algebra and elementary vector analysis

Local curve theory, Frenet-Serret formulas and applications

Local surface theory, Geodesics, Gaussian curvature

Global theory of surfaces, Gauss-Bonnet Theorem

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95.03.17
Suggested Text reference removed 2009:01:01
Prerequisite change: 2009:07:01