In lieu of a syllabus for 110.439 (differential geometry)

Differential geometry can viewed as a kind of continuation of vector calculus (ie Calc III), to infinity and beyond – all the way down the throat of the Schwarzschild (black hole) solution of Einstein's equations for general relativity.

The table of contents below refers to a set of notes for the course, which is too big to post here. If you're interested, please contact me at `jack@math.jhu.edu` and I'll send you a copy, which will give you a better sense of the material covered in the course.