MATH 890: Advanced Analysis on Manifolds
Course Syllabus - Spring 2014

Lectures: Every TuTh 2:10-3:25pm in TH 211

Instructor: Yitwah Cheung
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Office Hours: Tu 3:30-4:20, Th 11:30-12:20, and by appt.
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Prerequisites: MATH 335 and MATH 450 with a grade of C or better.


Bulletin Description: Differentiable maps, inverse and implicit function theorems, n-dimensional Riemann integral, change of variables in multiple integrals, manifolds, differential forms, n-dimensional version of Stokes’ theorem, and abstract differentiable manifolds.

Assessment: Student performance will primarily be based on in-class participation, which will include oral presentations of various durations.

Final Exam period: This class will have its last meeting on

Tuesday, May 20 from 1:30-4pm in TH 211