



The Graduate Center of CUNY Ph.D.
Program in Mathematics Course Syllabus

-Fall 2020

Course Title: Differential Geometry I

Course #: MATH 70900

Time and Location: Tues. and Thurs. 9:30am-11:00am

Instructor Name: Thomas Tradler

Contact Information: ttradler@citytech.cuny.edu

Pre-Requisites: -

Office Hours: TBD

Description:

This is the first semester of a two-semester qualifying course. Topics include smooth manifolds, tangent space, vector fields, cotangent space, differential forms, tensors, Stokes theorem, and the Lie derivative.