SYLLABUS

Differential Geometry (Math 4441) Fall 2007, Georgia Tech

Lecture
T Th 1:35-2:55 Skiles 240

Instructor

Professor Mohammad Ghomi

- *Office:* Skiles 203
- *Office hours:* T Th 3-4
- *Email:* ghomi@math.gatech.edu
- *Course Web Page:* www.math.gatech.edu /~ghomi/Classes/Math4441

Grader

James Krysiack

- *Office:* French 104
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Course Description

This is an introduction to the study of curves and surfaces in Euclidean 3-space. The main theme of the class will be various notions of curvature, and their relation to the local and global properties of curves and surfaces. In particular, we will cover the four vertex theorem, Fairy-Milnor theorem, Gauss's Theorema Egregium, and the Gauss-Bonnet theorem.

Prerequisites

Vector Calculus and Linear Algebra.

Texts

Instructor's *Lecture Notes*, and *Differential Geometry of Curves and Surfaces* by Manfredo P. do Carmo.

Homework

Homeworks will be assigned every Thursday in class and will be due the following Thursday in class. *Late Homeworks will not be accepted*.

Attendance Policy

All students are required to attend all lectures.

Grading

The grade is based on class participation (10%), homework assignments (15%), a midterm (25%) on Tuesday October 16, and a final exam (50%) on Wednesday, Dec 12 from 11:30 to 2:20.

SYLLABUS

Differential Geometry (Math 4441) Fall 2011, Georgia Tech

Lecture
T Th 9:35-10:55 Skiles 170

Instructor

Professor Mohammad Ghomi

- *Office:* Skiles 203
- *Office hours:* T Th 1-2
- *Email:* ghomi@math.gatech.edu
- *Course Web Page:* www.math.gatech.edu /~ghomi/Classes/Math4441Fall2011

Grader

Thao Vuong

- *Office:* Skiles 149
- *Email:* tvuong@math.gatech.edu

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