Two sample inference in functional linear models

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After discussing the basic concepts of functional data analysis, a new and growing field of statistics, I will focus on a method of comparing two functional linear models in which explanatory variables are functions (curves) and responses can be either scalars or functions. The objective is to test the null hypothesis that the regression kernels are the same in the two samples. The test will be illustrated by application to egg-laying curves of Mediterranean flies and to data from terrestrial magnetic observatories. I will attempt to make the talk accessible to non–statisticians.

Time: Thursday, 10/14/2010, 2:40-3:30pm
Location: MG 124
Refreshments: at 2:10pm in MG 226