

Friends of the
School of Mathematics
April 20, 2012



Technology and Education



Overview (Doug Ulmer)



Clickers (Doron Lubinsky)



On-line homework and discussion (Klara Grodzinsky)



Video Calculus (Tom Morley)

Our teaching in Numbers

Last year we taught 44,944 student credit hours to 7109 distinct undergrads.

That's about 1/2 of all undergrads and 10% of the total credits on campus.

The big courses are Calc I, II, III, Discrete Math, and Differential Equations.

Lectures have about 70-250 students.

Discussion sections are ~35 students.

Delivery



Mostly we used tried and true technology ... blackboards and chalk, lectures and recitations ... but we are starting to experiment with new tools and ideas.

Three new tools and programs

Personal response systems
("Clickers")

On-line homework and
discussion

Distance Calculus

