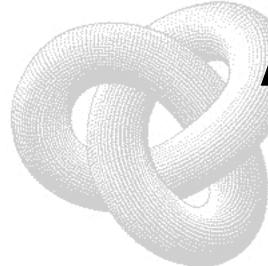
### **Lectures on Pure and Applied Math**



## Announcing

A Seminar Presentation on June 26, 2015 at 2:00 pm in Maxcy 212

at The University of New Haven

### Salam Turki

The University of Oklahoma

# Title: Elliptic curves and the representations of $GL(2,\mathbb{Q}_p)$

#### **Abstract:**

In this talk, we will introduce elliptic curves and define the group structure. Then we will switch gears towards the local case of the Taniyama-Shimura conjecture and explicitly say what are the representations of  $GL(2,\mathbb{Q}_p)$  attached to an elliptic curve  $E/\mathbb{Q}_p$ .

Pre-requisites: Calculus and Differential Equations.

#### **Further Information**

For further information, please contact Angie Domschine at the Department of Mathematics, Office: Maxcy 204, 203-932-7250, ADomschine@newhaven.edu.