



## Fall 2007 Seminar Series



### **Dr. Elias G. Katsoulis**

Professor

Department of Mathematics  
East Carolina University

**Friday, November 16, 2007**

**Time: 3:00-4:00 PM**

**Room: BSE 2.102**

## Operator Algebras for Multivariable Dynamics

**Abstract:** We will introduce various operator algebras which are built from dynamical systems and will explain how the properties of the dynamical system reflect on the structure of the algebra. In the process, we will answer open questions of Arveson and others and we will introduce the audience to fundamental concepts of modern operator theory. The talk requires no prior knowledge of dynamical system theory or operator algebra theory.

A reception will follow the talk and will be held in BSE 2.102