



2013 - 2014



**MATHEMATICS COLLOQUIUM SERIES
UNIVERSITY OF CENTRAL FLORIDA**

**Dr. Fred Brauer
Department of Mathematics
University of British Columbia**

will speak on

Drug resistance in disease treatment models

Abstract: We consider a disease treatment model in which treatment may cause the emergence of a drug-resistant strain of the disease. We study the possible equilibria, their stability, and the effects of changing the treatment rate. The possibilities are determined mainly by the reproduction numbers of the two disease strains.

DATE: Thursday, October 24, 2013

TIME: 11:00am

PLACE: MSB 318

Refreshments will be served.