



2009 - 2010



**MATHEMATICS COLLOQUIUM SERIES
UNIVERSITY OF CENTRAL FLORIDA**

**Dr. Mourad Ismail
Department of Mathematics
University of Central Florida**

will speak on

Taylor Series and Interpolation

ABSTRACT: We discuss the Taylor series as an expansion of analytic functions in polynomials and show how this extends to other cases of polynomial expansions. We also explore Carlson's theorem which recovers an entire function from its values at the integers. A similar theorem at other interpolation points will be presented.

DATE: Thursday, September 17, 2009

TIME: 11:00am – 12:00pm

PLACE: MAP 318