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Mathematics and Statistics

**Seminars & Colloquium**

**September 27 – October 1**

**Colloquium:**

**Dr. William Alexander**

*Deputy Chancellor, Central Texas College*

**Dr Yolanda Goins**

*Departmental Chair, Central Texas College*

“Distance Learning and On Line Mathematics Curriculum Development”

Thursday, September 30, 2010 at 3:30 p.m. in CH 113

Refreshments will be served in Math 238 at 3:00 p.m.

**Monday – September 27**

**GK-12 seminar**

No seminar this week

**Noyce Scholars seminar**

Location: MATH 115

Time: 12:00-12:50pm

Speaker: Tara Stevens

Topic:FAPE, FIE’s, IEP’s, FBA’s, and BIP’s… what they mean for the math educator.

**Tuesday – September 28**

**Logic-Topology Seminar**

Time: 2:30-3:30pm

Location: Math 013

Speaker: Wayne Lewis

Title: Hereditarily Equivalent Continua- II

**Math Education seminar**

No seminar this week

**Wednesday – September 29**

**Analysis Seminar**

Time: 4:00-5:00 pm

Room: MATH 109

Speaker: TBA

Title: TBA

**Applied Math Seminar**

Location: MATH 014

Time: 4:00-5:00pm

Speaker: Lidia Bloshanskaya, Texas Tech University

Title: "Long-term dynamics for well Productivity Index for nonlinear flows in porous media"

**Thursday – September 30**

**Colloquium**

Location: CH 113

Time: 3:30 – 4:30 pm

Speaker: Dr. William Alexander & Dr. Yolanda Goins

**Friday – October 1**

**Algebra Seminar**

Time: 3:00–4:00 pm

Room: MATH 016

Speaker: Jared Painter

Topic: "Tendencies of Trivariate Monomial Resolutions"

We will explore some specific properties admitted by the free resolutions over $S$ of $R=S/I$  where $S=k[x,y,z]$, $k$ a field and $I$ is a monomial ideal. The main focus will be resolutions where $I$ is primary to the homogeneous maximal ideal, so that $R$ is Cohen-Macaulay. Specifically, we will identify certain characteristics of the last matrix of these resolutions. These characteristics pertain to the question of whether the first Bass number of $R$ is always larger than the zeroth.