

# CALCULUS CONNECTIONS

with Y. Elsabrouty  
FALL 2009

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## PRECALCULUS REVIEW:

*September 10(R); 14 (M); 15 (T); 16(W), 17 (R)*  
*September 12(S), September 19 (S)*

**in ST 143**

*17:00-18:50*  
*11:00-12:50*

**TOPICS:** Coordinate Geometry -- equations and inequalities, and Trigonometric functions.

## CALCULUS REVIEW:

*September 21- December 07 Mondays/Wednesdays*

**in ST 143**

17:00 - 18:50

### DATE (Day)

Sept 21 (M); Sept 22\* (T)

Sept 23 (W); Sept 24\* (R)

Sept 28 (M); Sept 30 (W)

Oct 05 (M); Oct 07 (W)

Oct 14 (W); Oct 19 (M)

Oct 21 (W), Oct 26 (M)

Oct 28 (W); Nov 02 (M)

Nov 04 (W); Nov 09 (M)

Nov 16 (M); Nov 18 (W)

Nov 23 (M); Nov 25 (W)

Nov 30 (M);

Dec 02 (W); Dec 07 (M)

### TOPIC

Functions and their Properties

Limits 1

Limits 2

Continuity

Derivatives 1

Derivatives 2

Tangent Lines, Mean Value Theorem,  
Implicit Differentiation

Logarithmic and Exponential Functions, Related  
Rates

Graphing 1

Graphing 2

Maximum and Minimum Word Problems, Linearization

Integration and Area

\* Special session

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**NOTE: All Sessions are Different!**