

# CALCULUS CONNECTIONS

with Y. Elsabrouty  
FALL 2008

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## PRECALCULUS REVIEW:

*September 10(W); 11 (R); 15(M), 16 (T), 17 (W)  
September 13(S), September 20 (S)*

**in ST 143**

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

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

## CALCULUS REVIEW:

*September 18- December 04 Tuesdays/Thursdays*

**in ST 143**

*17:00 - 18:50*

### DATE (Day)

Sept 18 (R); Sept 22\* (M)  
Sept 23 (T); Sept 24\* (W)  
Sept 25 (R); Sept 30 (T)  
Oct 02 (R); Oct 07 (T)  
Oct 09 (R); Oct 14 (T)  
Oct 16 (R), Oct 21 (T)  
Oct 23 (R); Oct 28 (T)  
  
Oct 30 (R); Nov 04 (T)  
  
Nov 06 (R); Nov 13 (R)  
Nov 18 (T); Nov 20 (R)  
Nov 25 (T);  
Nov 27 (R); Dec 02 (T)  
Dec 04 (R)

### 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  
Area

\* Special session

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**NOTE: All Sessions are Different!**