

# CALCULUS CONNECTIONS

with Y. Elsabrouty

FALL 2006

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## PRECALCULUS REVIEW:

in ST 143

September 13(W); 14 (R); 18(M), 19 (T), 20 (W) 17:00-18:50  
September 16(S) 11:00-12:50

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

## CALCULUS REVIEW:

in ST 143

September 21- December 07 Tuesdays/Thursdays

17:00 - 18:50

### DATE (Day)

Sept 21 (R); Sept 25\* (M)  
Sept 26 (T); Sept 27\* (W)  
Sept 28 (R); Oct 03 (T)  
Oct 05 (R); Oct 10 (T)  
Oct 12 (R); Oct 17 (T)  
Oct 19 (R), Oct 24 (T)  
Oct 26 (R); Oct 31 (T)  
Nov 02 (R); Nov 07 (T)  
Nov 09 (R); Nov 16 (R)  
Nov 21 (T); Nov 23 (R)  
Nov 28 (T);  
Nov 30 (R); Dec 05 (T)  
Dec 07 (R)

### TOPIC

Functions and their Properties  
Limits 1  
Limits 2  
Continuity  
Derivatives 1  
Derivatives 2  
Tangent Lines, Linearization, Implicit Differentiation  
Related Rates Word Problems  
Graphing 1  
Graphing 2  
Maximum and Minimum Word Problems  
Logarithmic and Exponential Functions  
Integration and Area

\* Special session

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**NOTE: All Sessions are Different!**

**OFFICE HOURS: September 18- December 07**

in MS 452

Mondays 09:00-10:00  
Thursdays 13:00-14:00