

# CALCULUS CONNECTIONS

with Y. Elsabrouty  
FALL 2005

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## PRECALCULUS REVIEW:

in ST 143

September 14(W); 15 (R); 19(M), 20 (T), 21 (W) 17:00-18:50  
September 17(S) 11:00-12:50

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

## CALCULUS REVIEW:

in ST 143

September 22- December 08 Tuesdays/Thursdays

17:00 - 18:50

### DATE (Day)

Sept 22 (R); Sept 26\* (M)  
Sept 27 (T); Sept 28\* (W)  
Sept 29 (R); Oct 04 (T)  
Oct 06 (R); Oct 11 (T)  
Oct 13 (R); Oct 18 (T)  
Oct 20 (R), Oct 25 (T)  
Oct 27 (R); Nov 01 (T)  
Nov 03 (R); Nov 08 (T)  
Nov 15 (T); Nov 17 (R)  
Nov 22 (T); Nov 24 (R)  
Nov 29 (T);  
Dec 01 (R); Dec 06 (T)  
Dec 08 (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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**OFFICE HOURS: September 19- December 08**

in MS 452

Mondays 10:00-11:00  
Thursdays 15:30-16:30