

# CALCULUS CONNECTIONS

with Y. Elsabrouty  
FALL 2004

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## PRECALCULUS REVIEW:

in ST 143

September 13(M); 14 (T); 15(W); 16(R)      17:00-18:50  
September 18 (Saturday)      11:00-12:50

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

## CALCULUS REVIEW:

in ST 143

September 16 - December 04    Tuesdays/Thursdays

17:00 - 18:50

### DATE (Day)

Sept 21 (T); Sept 23 (R)  
Sept 28 (T); Sept 30 (R)  
Oct 05 (T); Oct 07 (R)  
Oct 12 (T); Oct 14 (R)  
Oct 19 (T); Oct 21 (R)  
Oct 26 (T), Oct 28 (R)  
Nov 02 (T); Nov 04 (R)  
Nov 09 (T); Nov 10\* (W)  
Nov 16 (T); Nov 18 (R)  
Nov 23 (T); Nov 25 (R)  
Nov 30 (T);  
Dec 02 (R); Dec 07 (T)  
Dec 09 (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 20- December 09

in MS 452

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