

# CALCULUS CONNECTIONS

with Y. Elsabrouty  
WINTER 2009

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## PRECALCULUS REVIEW:

<i>January 14 (W), 15 (R), 19 (M); 20 (T); 21 (W)</i>	17:00 - 18:50	ST 133
<i>January 17 (S), January 24 (S)</i>	11:00 - 12:50	ST 133

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

## CALCULUS REVIEW:

*January 26 - April 15*      *Mondays/Wednesdays*

**in ST 133**

17:00 - 18.50

### DATE (Day)

Jan 22\* (R); Jan 26 (M)  
Jan 27\* (T); Jan 28 (W)  
Feb 02 (M); Feb 04 (W)  
Feb 09 (M); Feb 11 (W)  
Feb 23 (M); Feb 25 (W)  
Mar 02 (M); Mar 04 (W)  
Mar 09 (M); Mar 11 (W)  
  
Mar 16 (M); Mar 18 (W)  
  
Mar 23 (M); Mar 25 (W)  
Mar 30 (M); Apr 01 (W)  
Apr 06 (M)  
Apr 08 (W); Apr 13 (M)  
Apr 15 (W)

### 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!**