

# CALCULUS CONNECTIONS

with Y. Elsabrouty  
FALL 2010

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## PRECALCULUS REVIEW:

*September 15 (W), 16 (R), 20 (M), 21 (T), 22 (W)*  
*September 18(S), September 25 (S)*

**in ENA 101**

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

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

## CALCULUS REVIEW:

*September 23- December 08 Mondays/Wednesdays*

**in ENA 101**

*17:00 - 18:50*

### DATE (Day)

Sept 23\* (R); Sept 27 (M)  
Sept 28\* (T); Sept 29 (W)  
Sept 30\* (R); Oct 04 (M)  
Oct 06 (W); Oct 13 (W)  
Oct 18 (M); Oct 20 (W)  
Oct 25 (M), Oct 27 (W)  
Nov 01 (M); Nov 03 (W)  
  
Nov 08 (M); Nov 10 (W)  
  
Nov 15 (M); Nov 17 (W)  
Nov 22 (M); Nov 24 (W)  
Nov 29 (M);  
Dec 01 (W); Dec 06 (M)  
Dec 08 (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!**