



# TUTORING CENTER

## PRECALCULUS, CALCULUS I AND II WORKSHOPS

### Fall 2022 Sessions

Open to students enrolled in  
Precalculus and Calculus courses



#### PRECALCULUS WORKSHOPS

##### Graphing Techniques of Basic Functions

Presented by Professor Persau

Date and Time: Tuesday, September 20, 11 - 12 p.m.

Location: Classroom: SH 166

Description: Discussion on how to graph quadratic, square root, cube root, cubic, absolute value, and piecewise functions

##### Exponential and Logarithmic Functions

Presented by Professor Thurman

Date and Time: Monday, September 26, 3:30 - 4:30 p.m.

Location: Classroom: SH 166

Description: Review of graphing functions and solving equations

##### Solving Trigonometric Equations

Presented by Professor Poetsch

Date and Time: Thursday, December 1, 12:30 - 1:30 p.m.

Location: Classroom: CH 210

Description: Review of various techniques of solving trigonometric equations

##### Unit Circle

Presented by Professor Frye

Date and Time: Tuesday, December 6, 3:30 - 4:30 p.m.

Location: Classroom: SH 166

Description: Tips and tricks on evaluating trigonometric functions without a calculator, and solving trigonometric equations

#### CALCULUS I WORKSHOPS

##### Precalculus Highlights for Calc I and Calc II Students

Presented by: Professor Persau

Date and Time: Tuesday, September 13, 11 - 12 p.m.

Location: Classroom: SH 166

Description: Review of various graphing, algebraic, and trig topics necessary for success in Calculus

##### Evaluating Limits

Presented by Professor Wolfgang

Date and Time: Tuesday, September 13, 12:30 - 1:30 p.m.

Location: Classroom: SH 166

Description: Review of limit procedures in Calc I

##### Differentiation Review for Calculus I Students

Presented by Professor Sabella

Date and Time: Tuesday, October 18, 12:30 - 1:30 p.m.

Location: Classroom: SH 166

Description: Review of basic differentiation formulas and rules, Writing an equation of a tangent line

##### Integration Review for Calculus I Students

Presented by Professor Sabella

Date and Time: Thursday, December 8, 12:30 - 1:30 p.m.

Location: Classroom: SH 166

Description: Review of basic integration formulas and rules, evaluating indefinite and definite integrals using basic integration techniques including substitution

#### CALCULUS II WORKSHOPS

##### Calculus I Basics for Calculus II Students

Presented by Professor Sabella

Date and Time: Thursday, September 8, 12:30 - 1:30 p.m.

Location: Classroom: CH 210

Description: Differentiation and Integration review

##### Integration Techniques in Calculus II

Presented by Professor Frye

Date and Time: Tuesday, October 18, 3:30 - 4:30 p.m.

Location: Classroom: SH 166

Description: Review of integration formulas and techniques learned in Calculus II. Workshop topics include integration by parts (including the tabular method), trigonometric integrals, trigonometric substitution, partial fractions, and strategies for picking and combining methods.

##### Sequences and Series

Presented by Professor Frye

Date and Time: Tuesday, November 29, 3:30 - 4:30 p.m.

Location: Classroom: SH 166

Description: A review of infinite sequences and series and how to determine the convergence or divergence of a sequence or series. Workshop topics include geometric, telescoping, and p-series, as well as the Integral, Comparison, Alternating, Ratio, and Root Tests for convergence.