



Activity Log

Hecker, Frank

Student ID: 12224

Start Date: 11/3/2025

End Date: 2/7/2026

Sat, Feb 7th, 2026 (55 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Horizontal and Vertical Tangents to Polar Curves in Non-Differentiable Cases	15/15 XP
Calculus II	Multistep	Differential Equations Using Euler's Method, Separation of Variables, and Taylor Series	15/12 XP
Calculus II	Review	Equality of Mixed Partial Derivatives	7/5 XP
Calculus II	Quiz	Quiz 22	18/15 XP

Fri, Feb 6th, 2026 (38 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Second-Degree Taylor Polynomials of Multivariable Functions	9/7 XP
Calculus II	Review	Confidence Intervals for One Variance	4/4 XP
Calculus II	Lesson	The Area Bounded by Two Polar Curves	25/20 XP

Thu, Feb 5th, 2026 (15 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Optimization Problems With Inscribed Shapes	8/6 XP
Calculus II	Review	Surface Areas of Revolution: Rotation About the Y-Axis	7/5 XP

Sat, Jan 31st, 2026 (71 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Trigonometric Equations Containing Transformed Sine Functions	8/6 XP
Calculus II	Lesson	Horizontal and Vertical Tangents to Polar Curves	10/8 XP
Calculus II	Review	Mean and Variance of the Discrete Uniform Distribution	6/4 XP
Calculus II	Review	The Correlation Coefficient for Two Random Variables	5/5 XP
Calculus II	Review	Rotation-Scaling Matrices	4/4 XP
Calculus II	Lesson	The Total Area Bounded by a Single Polar Curve	18/14 XP
Calculus II	Review	Qualitative Analysis of First-Order ODEs	6/4 XP
Calculus II	Quiz	Quiz 21	14/14 XP

Thu, Jan 29th, 2026 (28 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
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Calculus II	Multistep	Modeling Epidemics Using Exponential and Logistic Growth Differential Equations	10/10 XP
Calculus II	Review	Recognizing Standard Maclaurin Series for Trigonometric Functions	6/4 XP
Calculus II	Review	Integrating Exponential Functions Using Substitution	6/4 XP
Calculus II	Review	Interpreting the Graph of a Function's Derivative	6/4 XP

Wed, Jan 28th, 2026 (8 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Quiz	Quiz 21	8/15 XP

Sun, Jan 25th, 2026 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Finding Intersections of Polar Curves	16/13 XP
Calculus II	Review	Bilinear Forms	6/4 XP
Calculus II	Review	The Matrix of a Linear Map Relative to Two Bases	6/4 XP
Calculus II	Lesson	Solving the Logistic Growth Equation	14/11 XP
Calculus II	Review	Surface Areas of Revolution: Rotation About the Y-Axis	7/5 XP
Calculus II	Review	Singular Value Decomposition of Larger Matrices	5/5 XP

Sat, Jan 24th, 2026 (43 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Connections Between Matrix Representations of a Linear Transformation	7/5 XP
Calculus II	Lesson	Finding the Limits of Integration For a Given Polar Region	11/9 XP
Calculus II	Review	Surface Areas of Revolution for Parametric Curves	7/5 XP
Calculus II	Review	Exponential Growth and Decay Models With First-Order ODEs: Half-Life Problems	6/4 XP
Calculus II	Review	The Shell Method: Rotation About the Y-Axis	6/4 XP
Calculus II	Quiz	Quiz 20	6/14 XP

Wed, Jan 21st, 2026 (15 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	The Taylor Series of a Function, Interval and Radius of Convergence, and Alternating Series	15/15 XP

Tue, Jan 20th, 2026 (32 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Further Logarithmic Differentiation	10/8 XP
Calculus II	Review	Exponential Growth and Decay Models With First-Order ODEs: Half-Life Problems	6/4 XP
Calculus II	Review	Radius of Convergence of Power Series	6/4 XP

Calculus II	Quiz	Quiz 20	10/15 XP
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Mon, Jan 19th, 2026 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Trigonometric Equations Containing Transformed Cosine Functions	28/22 XP
Calculus II	Review	The Nth Term Test for Divergence	6/4 XP
Calculus II	Review	Integrating Rational Functions with Repeated Factors	8/6 XP
Calculus II	Review	Surface Areas of Revolution for Parametric Curves	5/5 XP
Calculus II	Lesson	Polar Equations of Circles Centered on the Coordinate Axes	9/7 XP

Sun, Jan 18th, 2026 (48 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Solving Trigonometric Equations Using the Zero-Product Property	31/25 XP
Calculus II	Quiz	Quiz 19	17/14 XP

Sat, Jan 17th, 2026 (44 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	Differentiating Polar Curves	19/15 XP
Calculus II	Review	Exponential Growth and Decay Models With First-Order ODEs: Calculating Unknown Times and Initial Values	7/5 XP
Calculus II	Review	Integration Using the Hyperbolic Double-Angle Formulas	6/4 XP
Calculus II	Review	Tangent and Normal Lines to Polar Curves	6/6 XP
Calculus II	Quiz	Quiz 19	6/15 XP

Fri, Jan 16th, 2026 (40 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Trigonometric Equations Containing Transformed Sine Functions	21/17 XP
Calculus II	Review	Radius of Convergence of Power Series Centered at the Origin	6/4 XP
Calculus II	Review	Selecting Procedures for Analyzing Infinite Series	7/5 XP
Calculus II	Review	Radius of Convergence of Power Series	6/4 XP

Thu, Jan 15th, 2026 (41 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Determining Convergence Parameters for Infinite Series	13/10 XP
Calculus II	Review	The Arc Length of a Planar Curve	8/6 XP
Calculus II	Review	Identifying Quadric Surfaces	4/4 XP
Calculus II	Review	Surface Areas of Revolution for Parametric Curves	3/5 XP

Calculus II	Lesson	Exponential Growth and Decay Models With First-Order ODEs: Half-Life Problems	13/10 XP
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Wed, Jan 14th, 2026 (38 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	The Shell Method: Rotation About the Y-Axis	11/9 XP
Calculus II	Review	Surface Areas of Revolution: Rotation About the Y-Axis	7/5 XP
Calculus II	Quiz	Quiz 18	13/13 XP
Calculus II	Multistep	Differentiating Polar Curves	7/15 XP

Tue, Jan 13th, 2026 (41 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Finding the Area of a Polar Region	7/5 XP
Calculus II	Review	Surface Areas of Revolution: Rotation About the Y-Axis	7/5 XP
Calculus II	Review	The Remainder Estimate for the Integral Test	6/4 XP
Calculus II	Quiz	Quiz 18	9/15 XP
Calculus II	Lesson	Tangent and Normal Lines to Polar Curves	12/12 XP

Mon, Jan 12th, 2026 (35 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Calculating the Total Distance Traveled by a Particle	5/5 XP
Calculus II	Review	Surface Areas of Revolution: Rotation About the Y-Axis	7/5 XP
Calculus II	Review	The Lagrange Error Bound	10/8 XP
Calculus II	Lesson	The Shell Method: Rotating a Region Between Two Curves About the X-Axis	13/10 XP

Sun, Jan 11th, 2026 (60 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Calculating Areas Bounded by Parametric Functions	5/5 XP
Calculus II	Review	Jordan Canonical Decomposition of a 2x2 Matrix	6/4 XP
Calculus II	Review	Radius of Convergence of Power Series	4/4 XP
Calculus II	Lesson	Surface Areas of Revolution for Parametric Curves	20/16 XP
Calculus II	Lesson	Exponential Growth and Decay Models With First-Order ODEs: Calculating Unknown Times and Initial Values	13/10 XP
Calculus II	Quiz	Quiz 17	12/10 XP

Sat, Jan 10th, 2026 (47 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	13/10 XP
Calculus II	Review	Using Integration by Parts to Calculate Integrals With Logarithms	8/6 XP

Calculus II	Review	L'Hopital's Rule Applied to Tables	8/6 XP
Calculus II	Quiz	Quiz 17	7/14 XP
Calculus II	Review	The Distribution Function Method With Many-to-One Transformations	11/9 XP

Fri, Jan 9th, 2026 (11 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Surface Areas of Revolution: Rotation About the X-Axis	7/5 XP
Calculus II	Review	The Change-of-Variables Method for Continuous Random Variables	4/4 XP

Thu, Jan 8th, 2026 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Surface Areas of Revolution: Rotation About the Y-Axis	19/15 XP
Calculus II	Review	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	5/5 XP
Calculus II	Review	The Connection Between PCA and SVD	4/4 XP
Calculus II	Review	The Candidates Test	9/7 XP
Calculus II	Lesson	Recognizing Standard Maclaurin Series for Trigonometric Functions	9/7 XP

Wed, Jan 7th, 2026 (23 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Integration Using Inverse Reciprocal Hyperbolic Functions and Completing the Square	23/18 XP

Tue, Jan 6th, 2026 (47 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Quiz	Quiz 16	17/14 XP
Calculus II	Review	Integrating Hyperbolic Functions Using Substitution	6/4 XP
Calculus II	Review	Absolute and Conditional Convergence	6/4 XP
Calculus II	Review	Radius of Convergence of Power Series	4/4 XP
Calculus II	Quiz	Quiz 16	8/15 XP
Calculus II	Review	Integrating Hyperbolic Functions Using Substitution	6/4 XP

Mon, Jan 5th, 2026 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	Constructing a Taylor Polynomial Using a Graph, Estimating Functions, and the Alternating Series Error Bound	18/14 XP
Calculus II	Review	The Intersection Between a Line and a Plane	7/5 XP
Calculus II	Lesson	Integration Using Hyperbolic Functions and Completing the Square	15/12 XP
Calculus II	Review	Continuously Compounded Interest	6/4 XP
Calculus II	Review	Confidence Intervals for One Proportion	6/4 XP

Calculus II	Review	The Arc Length of a Polar Curve	4/6 XP
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Sun, Jan 4th, 2026 (64 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Integration Using the Hyperbolic Double-Angle Formulas	20/16 XP
Calculus II	Review	Approximating Integrals Using Taylor Series	8/6 XP
Calculus II	Review	The Shortest Distance Between a Plane and a Point	5/5 XP
Calculus II	Review	Properties of Double Integrals	6/4 XP
Calculus II	Lesson	Integration Using the Hyperbolic Pythagorean Identities	25/20 XP

Sat, Jan 3rd, 2026 (50 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	Differential Equations Using Euler's Method, Separation of Variables, and Taylor Series	12/12 XP
Calculus II	Review	Connecting Infinite Limits and Vertical Asymptotes of Rational Functions	4/4 XP
Calculus II	Quiz	Quiz 15	18/15 XP
Calculus II	Review	Calculating Related Rates Using Trigonometry	8/6 XP
Calculus II	Review	The Bivariate Normal Distribution	8/6 XP

Fri, Jan 2nd, 2026 (53 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Integration by Substitution With Inverse Reciprocal Hyperbolic Functions	16/13 XP
Calculus II	Review	Radius of Convergence of Power Series	6/4 XP
Calculus II	Review	The Domain of a Vector-Valued Function	6/4 XP
Calculus II	Review	Point Estimates of Population Proportions	6/4 XP
Calculus II	Lesson	Integrating Hyperbolic Functions Using Substitution	19/15 XP

Thu, Jan 1st, 2026 (47 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	The Exponential Distribution	4/4 XP
Calculus II	Review	The Binomial Distribution	4/4 XP
Calculus II	Review	Hypothesis Tests for Two Means: Known Population Variances	6/4 XP
Calculus II	Lesson	Further Modeling With First-Order ODEs	18/14 XP
Calculus II	Multistep	The Taylor Series of a Function, Interval and Radius of Convergence, and Alternating Series	15/15 XP

Wed, Dec 31st, 2025 (45 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Rotation-Scaling Matrices	4/4 XP

Calculus II	Review	Weighted Least-Squares	10/8 XP
Calculus II	Review	Volumes of Revolution Using the Washer Method: Rotation About Other Axes	7/5 XP
Calculus II	Quiz	Quiz 14	14/14 XP
Calculus II	Lesson	Radius of Convergence of Power Series	10/8 XP

Tue, Dec 30th, 2025 (47 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	LU Factorization of NxN Matrices	6/4 XP
Calculus II	Lesson	Qualitative Analysis of the Logistic Growth Equation	7/7 XP
Calculus II	Review	The Multivariable Chain Rule in Vector Form	8/6 XP
Calculus II	Review	Orthogonal Sets in Inner Product Spaces	6/4 XP
Calculus II	Review	Tangent Vectors and Tangent Lines to Curves	7/5 XP
Calculus II	Lesson	Improper Integrals of the Second Kind: Discontinuities at Interior Points	13/10 XP

Mon, Dec 29th, 2025 (47 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Optimization Problems in Economics	7/5 XP
Calculus II	Review	The Jacobian of a Three-Dimensional Transformation	7/5 XP
Calculus II	Review	Optimization Problems Involving Cylinders	8/6 XP
Calculus II	Lesson	Integration Using Basic Hyperbolic Identities	23/18 XP
Calculus II	Lesson	Integrating Hyperbolic Functions Using Substitution	2/15 XP

Sun, Dec 28th, 2025 (52 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Integrating Logarithmic Functions Using Substitution	8/6 XP
Calculus II	Review	Surface Areas of Revolution: Rotation About the X-Axis	5/5 XP
Calculus II	Quiz	Quiz 13	9/14 XP
Calculus II	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	6/10 XP
Calculus II	Review	The Alternating Series Error Bound	6/4 XP
Calculus II	Review	Integrating Rates of Change	6/4 XP
Calculus II	Review	Telescoping Series	6/4 XP
Calculus II	Quiz	Quiz 13	6/15 XP

Fri, Dec 26th, 2025 (52 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Finding the Canonical Form of a Quadratic Form Using Orthogonal Transformations	7/5 XP
Calculus II	Review	Integrating Functions by Completing the Square	7/5 XP

Calculus II	Lesson	Integration by Substitution With Inverse Hyperbolic Functions	13/13 XP
Calculus II	Review	Finding Areas Between Curves that Intersect at More Than Two Points	7/5 XP
Calculus II	Review	Properties of Infinite Series	6/4 XP
Calculus II	Review	Confidence Intervals for One Variance	6/4 XP
Calculus II	Review	The Inverse Hyperbolic Functions	6/4 XP
Calculus II	Lesson	Integrating Hyperbolic Functions Using Substitution	0/15 XP

Thu, Dec 25th, 2025 (65 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	The Shell Method: Rotating a Region About the X-Axis	6/4 XP
Calculus II	Review	The Nth Term Test for Divergence	4/4 XP
Calculus II	Review	Reducing a Quadratic Curve to Its Principal Axes	4/4 XP
Calculus II	Lesson	Integrating Density Functions	19/15 XP
Calculus II	Multistep	Limits and Continuity, Sequences and Series	11/9 XP
Calculus II	Review	Jordan Canonical Decomposition of a 3x3 Matrix	8/6 XP
Calculus II	Review	QR Factorization	7/5 XP
Calculus II	Review	The Linear Correlation Coefficient	6/4 XP

Wed, Dec 24th, 2025 (52 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Volumes of Solids with Circular Cross Sections	24/19 XP
Calculus II	Review	Surface Areas of Revolution: Rotation About the X-Axis	7/5 XP
Calculus II	Review	Volumes of Solids with Rectangular Cross Sections	6/4 XP
Calculus II	Quiz	Quiz 12	15/15 XP

Tue, Dec 23rd, 2025 (21 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Approximating Values Using the Binomial Theorem	5/5 XP
Calculus II	Lesson	Integrating Rates of Change	16/13 XP

Mon, Dec 22nd, 2025 (36 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Hypothesis Tests for One Mean: Unknown Population Variance	6/4 XP
Calculus II	Review	Further Continuity of Piecewise Functions	4/4 XP
Calculus II	Review	Confidence Intervals for Two Means: Known and Unequal Population Variances	6/4 XP
Calculus II	Lesson	Surface Areas of Revolution: Rotation About the X-Axis	20/16 XP

Sun, Dec 21st, 2025 (80 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	The Planar Motion of a Particle	16/13 XP
Calculus II	Review	Special Limits Involving Cosine	4/4 XP
Calculus II	Review	Calculating the Total Distance Traveled by a Particle	7/5 XP
Calculus II	Review	Evaluating Limits at Infinity of Radical Functions	4/4 XP
Calculus II	Lesson	Volumes of Solids with Triangular Cross Sections	23/18 XP
Calculus II	Lesson	Volumes of Revolution Using the Washer Method: Rotation About Other Axes	26/21 XP

Sat, Dec 20th, 2025 (22 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Applying Newton's Second Law in the Plane	8/6 XP
Calculus II	Quiz	Quiz 11	14/14 XP

Fri, Dec 19th, 2025 (56 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	The Spectral Theorem	4/4 XP
Calculus II	Review	Graphs of the Reciprocal Hyperbolic Functions	6/4 XP
Calculus II	Lesson	Volumes of Revolution Using the Disc Method: Rotation About Other Axes	16/18 XP
Calculus II	Review	Geometric Interpretations of Partial Derivatives	7/5 XP
Calculus II	Lesson	Volumes of Solids with Rectangular Cross Sections	23/18 XP

Wed, Dec 17th, 2025 (14 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	Constructing a Taylor Polynomial Using a Graph, Estimating Functions, and the Alternating Series Error Bound	14/14 XP

Sun, Dec 14th, 2025 (40 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	L'Hopital's Rule Applied to Tables	6/4 XP
Calculus II	Review	Type I and Type II Errors	6/4 XP
Calculus II	Review	Sketching a Function Given Some Derivative Properties	6/4 XP
Calculus II	Lesson	Telescoping Series	15/12 XP
Calculus II	Lesson	The Alternating Series Error Bound	7/7 XP

Sat, Dec 13th, 2025 (26 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Absolute and Conditional Convergence	6/4 XP
Calculus II	Review	Radius of Convergence of Power Series Centered at the Origin	6/4 XP

Calculus II	Review	The Lagrange Error Bound	10/8 XP
Calculus II	Quiz	Quiz 10	4/15 XP

Fri, Dec 12th, 2025 (25 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Radius of Convergence of Power Series Centered at the Origin	6/4 XP
Calculus II	Review	The Lagrange Error Bound	10/8 XP
Calculus II	Quiz	Quiz 10	9/15 XP

Wed, Dec 10th, 2025 (8 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Optimization Problems Involving Sectors of Circles	8/6 XP

Tue, Dec 9th, 2025 (49 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	The Image of a Linear Transformation in the Cartesian Plane	4/4 XP
Calculus II	Lesson	The Remainder Estimate for the Integral Test	16/13 XP
Calculus II	Review	Calculating Limits Using Trigonometric Identities	6/4 XP
Calculus II	Review	Confidence Intervals for One Variance	4/4 XP
Calculus II	Lesson	Logistic Growth Models With First-Order ODEs	9/7 XP
Calculus II	Multistep	Calculating First, Second, and Third-Degree Taylor Polynomials, and the Lagrange Error Bound	10/8 XP

Sun, Dec 7th, 2025 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Removing Discontinuities From Rational Functions	2/4 XP
Calculus II	Review	Finding Areas Between Curves that Intersect at More Than Two Points	7/5 XP
Calculus II	Review	Further Limits Involving the Exponential Function	6/4 XP
Calculus II	Lesson	The Tabular Method of Integration by Parts	18/14 XP
Calculus II	Lesson	Volumes of Solids with Square Cross Sections	21/17 XP

Sat, Dec 6th, 2025 (22 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Approximating Integrals Using Taylor Series	8/6 XP
Calculus II	Quiz	Quiz 9	14/14 XP

Thu, Dec 4th, 2025 (53 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
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Calculus II	Review	The Shell Method: Rotating a Region About the X-Axis	6/4 XP
Calculus II	Review	Calculating Areas Bounded by Parametric Functions	7/5 XP
Calculus II	Review	The Root Test	4/4 XP
Calculus II	Quiz	Quiz 9	6/14 XP
Calculus II	Review	Calculating the Number of Terms in an Arithmetic Series	7/5 XP
Calculus II	Review	Absolute and Conditional Convergence	4/4 XP
Calculus II	Review	Further Limits Involving the Exponential Function	0/4 XP
Calculus II	Lesson	The Lagrange Error Bound	19/15 XP

Wed, Dec 3rd, 2025 (22 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	The Nth Term Test for Divergence	6/4 XP
Calculus II	Lesson	Average Position, Velocity, and Acceleration	16/13 XP

Tue, Dec 2nd, 2025 (21 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	Differential Equations Using Euler's Method, Separation of Variables, and Taylor Series	12/12 XP
Calculus II	Review	Radius of Convergence of Power Series Centered at the Origin	2/4 XP
Calculus II	Review	Selecting Procedures for Analyzing Infinite Series	7/5 XP

Mon, Dec 1st, 2025 (10 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Integrating Rational Functions with Irreducible Quadratic Factors	10/8 XP

Sun, Nov 30th, 2025 (25 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Approximating Integrals Using Taylor Series	15/12 XP
Calculus II	Lesson	The Root Test	10/8 XP

Sat, Nov 29th, 2025 (112 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Calculating the Total Distance Traveled by a Particle	7/5 XP
Calculus II	Quiz	Quiz 8	15/15 XP
Calculus II	Review	Optimizing Distances to Curves	7/5 XP
Calculus II	Review	Calculating the Total Distance Traveled by a Particle	7/5 XP
Calculus II	Review	The Alternating Series Test	4/4 XP
Calculus II	Review	Sums of Infinite Geometric Series Given in Sigma Notation	6/4 XP
Calculus II	Quiz	Quiz 8	3/15 XP

Calculus II	Review	Projecting Vectors Onto Subspaces in Euclidean Spaces (Arbitrary Bases): Applications	9/7 XP
Calculus II	Lesson	Calculating Areas Bounded by Parametric Functions	13/10 XP
Calculus II	Review	Modeling With Compound Interest	6/4 XP
Calculus II	Review	Integrating Logarithmic Functions Using Substitution	6/6 XP
Calculus II	Review	The Least-Squares Solution of a Linear System (With Collinearity)	7/7 XP
Calculus II	Lesson	Absolute and Conditional Convergence	15/12 XP
Calculus II	Review	Finding Displacement Vectors in Two Dimensions Using Integration	7/5 XP

Fri, Nov 28th, 2025 (18 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Representing Functions as Power Series	3/5 XP
Calculus II	Review	Identifying Monotonic Sequences Using Differentiation	6/4 XP
Calculus II	Lesson	Repeating Decimals as Infinite Geometric Series	9/7 XP

Thu, Nov 27th, 2025 (90 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Connecting Infinite Limits and Vertical Asymptotes of Rational Functions	6/4 XP
Calculus II	Review	Constrained Optimization of Quadratic Forms: Determining Where Extrema are Attained	7/5 XP
Calculus II	Review	The Connection Between PCA and SVD	4/4 XP
Calculus II	Lesson	The Shell Method: Rotating a Region About the X-Axis	10/8 XP
Calculus II	Review	The Nth Term Test for Divergence	6/4 XP
Calculus II	Review	Differentiating Taylor Series	6/4 XP
Calculus II	Quiz	Quiz 7	18/15 XP
Calculus II	Review	Singular Value Decomposition and the Pseudoinverse Matrix	7/5 XP
Calculus II	Lesson	Calculating the Total Distance Traveled by a Particle	26/21 XP

Mon, Nov 24th, 2025 (4 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Radius of Convergence of Power Series Centered at the Origin	4/4 XP

Sun, Nov 23rd, 2025 (64 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Volumes of Revolution Using the Washer Method: Rotation About the Coordinate Axes	25/20 XP
Calculus II	Review	Identifying Quadric Surfaces	6/4 XP
Calculus II	Review	Further Logarithmic Differentiation	9/7 XP
Calculus II	Review	Simulating Random Observations	6/4 XP

Calculus II	Lesson	Analyzing Slope Fields for Nonautonomous Differential Equations	18/14 XP
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Sat, Nov 22nd, 2025 (70 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Differentiating Taylor Series	14/11 XP
Calculus II	Review	Finding Areas Between Curves that Intersect at More Than Two Points	5/5 XP
Calculus II	Review	Harmonic Series and p-Series	6/4 XP
Calculus II	Review	The Nth Term Test for Divergence	6/4 XP
Calculus II	Quiz	Quiz 6	8/15 XP
Calculus II	Review	Identifying Monotonic Sequences Using Ratios	6/4 XP
Calculus II	Review	The Nth Term Test for Divergence	4/4 XP
Calculus II	Review	Finding Areas Between Curves that Intersect at More Than Two Points	5/5 XP
Calculus II	Quiz	Quiz 6	8/15 XP
Calculus II	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	8/10 XP

Fri, Nov 21st, 2025 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Singular Value Decomposition of Larger Matrices	7/5 XP
Calculus II	Review	The Arc Length of a Parametric Curve	7/5 XP
Calculus II	Review	Mean and Variance of the Discrete Uniform Distribution	6/4 XP
Calculus II	Lesson	Radius of Convergence of Power Series Centered at the Origin	16/13 XP
Calculus II	Review	The Change-of-Variables Method for Continuous Random Variables	4/4 XP
Calculus II	Review	Positive-Definite and Negative-Definite Quadratic Forms	6/4 XP

Thu, Nov 20th, 2025 (75 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Optimization Problems With Inscribed Shapes	7/5 XP
Calculus II	Lesson	Selecting Procedures for Analyzing Infinite Series	13/10 XP
Calculus II	Review	Rotation-Scaling Matrices	4/4 XP
Calculus II	Review	Weighted Least-Squares	10/8 XP
Calculus II	Review	The Pythagorean Theorem and the Triangle Inequality	5/5 XP
Calculus II	Lesson	The Limit Comparison Test	15/12 XP
Calculus II	Multistep	Areas Under Curves and the Fundamental Theorem of Calculus	21/17 XP

Wed, Nov 19th, 2025 (16 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Connections Between Matrix Representations of a Linear Transformation	7/5 XP

Calculus II	Review	QR Factorization	3/5 XP
Calculus II	Review	De Moivre's Theorem	6/4 XP

Tue, Nov 18th, 2025 (50 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Quiz	Quiz 5	18/15 XP
Calculus II	Lesson	Volumes of Revolution Using the Disc Method: Rotation About the Coordinate Axes	20/16 XP
Calculus II	Review	Solving Inequalities Involving Positive and Negative Factors	6/4 XP
Calculus II	Review	Maximum Likelihood Estimation	6/4 XP

Mon, Nov 17th, 2025 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Roots of Transformed Radical Functions	6/4 XP
Calculus II	Lesson	Finding Areas Between Curves that Intersect at More Than Two Points	20/16 XP
Calculus II	Review	Projecting Vectors Onto Subspaces in Inner Product Spaces	8/6 XP
Calculus II	Review	Optimization Problems Involving Cylinders	6/6 XP
Calculus II	Review	Finding a Least-Squares Solution Using QR Factorization	6/4 XP

Sun, Nov 16th, 2025 (84 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Slope Fields for Nonautonomous Differential Equations	11/9 XP
Calculus II	Review	The Linear Correlation Coefficient	6/4 XP
Calculus II	Review	Directional Derivatives	8/6 XP
Calculus II	Review	Logarithmic Differentiation	7/5 XP
Calculus II	Lesson	Exponential Growth and Decay Models With First-Order ODEs	10/8 XP
Calculus II	Lesson	The Alternating Series Test	11/9 XP
Calculus II	Multistep	L'Hopital's Rule, Euler's Method, and Solving Initial Value Problems Using Separation of Variables	13/10 XP
Calculus II	Quiz	Quiz 4	18/15 XP

Sat, Nov 15th, 2025 (46 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Classifying Quadratic Curves	7/5 XP
Calculus II	Review	Solving Logarithmic Equations by Combining the Laws of Logarithms	6/4 XP
Calculus II	Review	The Connection Between PCA and SVD	4/4 XP
Calculus II	Lesson	Continuously Compounded Interest	12/12 XP
Calculus II	Review	The Distribution Function Method With Many-to-One Transformations	11/9 XP

Calculus II	Review	Finding Generalized Eigenvectors of Specific Ranks	6/4 XP
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Fri, Nov 14th, 2025 (54 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Qualitative Analysis of First-Order ODEs	6/4 XP
Calculus II	Lesson	Analyzing Slope Fields for Autonomous Differential Equations	18/14 XP
Calculus II	Review	Integration Using the Pythagorean Identities	7/5 XP
Calculus II	Review	The Correlation Coefficient for Two Random Variables	7/5 XP
Calculus II	Review	Qualitative Analysis of First-Order ODEs	6/4 XP
Calculus II	Lesson	The Comparison Test	10/12 XP

Thu, Nov 13th, 2025 (7 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	Differential Equations, Separation of Variables, and Limits of Exponential Functions	7/10 XP

Wed, Nov 12th, 2025 (40 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	The Jacobian of a Three-Dimensional Transformation	7/5 XP
Calculus II	Review	Improper Integrals Involving Arctangent	6/4 XP
Calculus II	Review	Connecting Infinite Limits and Vertical Asymptotes of Rational Functions	6/4 XP
Calculus II	Lesson	Applying Newton's Second Law in the Plane	21/17 XP

Tue, Nov 11th, 2025 (38 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Recognizing Standard Maclaurin Series	2/4 XP
Calculus II	Review	The Ratio Test	6/4 XP
Calculus II	Quiz	Quiz 3	12/15 XP
Calculus II	Lesson	The Nth Term Test for Divergence	9/7 XP
Calculus II	Lesson	Identifying Monotonic Sequences Using Ratios	9/7 XP

Mon, Nov 10th, 2025 (62 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Slope Fields for Autonomous Differential Equations	9/7 XP
Calculus II	Review	Confidence Intervals for One Variance	4/4 XP
Calculus II	Lesson	Modeling With Compound Interest	15/12 XP
Calculus II	Lesson	Identifying Monotonic Sequences Using Differentiation	10/10 XP
Calculus II	Review	Further Convergence of Geometric Sequences	6/4 XP

Calculus II	Multistep	Finding the Motion of an Object Using Parametric Equations	18/14 XP
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Sun, Nov 9th, 2025 (48 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	Further Determining Limits of Sequences Using Relative Magnitudes	9/7 XP
Calculus II	Review	The Integral Test	5/5 XP
Calculus II	Review	The Inverse Hyperbolic Functions	4/4 XP
Calculus II	Review	Conditional Variance for Continuous Random Variables	8/6 XP
Calculus II	Lesson	Analyzing Slope Fields for Directly Integrable Differential Equations	14/14 XP
Calculus II	Review	Using Integration by Parts to Calculate Integrals With Logarithms	8/6 XP

Sat, Nov 8th, 2025 (76 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Hypothesis Tests for One Mean: Unknown Population Variance	2/4 XP
Calculus II	Review	Approximating the Roots of a Number Using Local Linearity	4/4 XP
Calculus II	Quiz	Quiz 2	18/15 XP
Calculus II	Lesson	Slope Fields for Directly Integrable Differential Equations	9/7 XP
Calculus II	Review	Finding the Area of a Polar Region	7/5 XP
Calculus II	Review	The Arc Length of a Planar Curve	8/6 XP
Calculus II	Lesson	Equilibrium Solutions of First-Order ODEs	9/7 XP
Calculus II	Multistep	Limits of Trigonometric Functions, Instantaneous Rates of Change, and Infinite Geometric Series	19/15 XP

Fri, Nov 7th, 2025 (30 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Review	Reducing a Quadratic Curve to Its Principal Axes	6/4 XP
Calculus II	Review	Solving First-Order IVPs Using Separation of Variables	9/7 XP
Calculus II	Review	Defining Double Integrals Using Lower and Upper Riemann Sums	6/4 XP
Calculus II	Lesson	Monotonic Sequences	9/7 XP

Thu, Nov 6th, 2025 (52 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	The Ratio Test	13/10 XP
Calculus II	Review	Integrating Hyperbolic Functions	6/4 XP
Calculus II	Quiz	Quiz 1	14/14 XP
Calculus II	Review	Approximating Areas Under Graphs of Composite Functions	6/4 XP
Calculus II	Review	Finding the Sum of an Infinite Geometric Series	6/4 XP
Calculus II	Review	Integrating Functions Using Polynomial Division	7/5 XP

Wed, Nov 5th, 2025 (33 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Quiz	Quiz 1	7/14 XP
Calculus II	Review	Weighted Least-Squares	10/8 XP
Calculus II	Lesson	Limits of Sequences With Factorials	9/7 XP
Calculus II	Review	Finding the Canonical Form of a Quadratic Form Using Orthogonal Transformations	7/5 XP

Tue, Nov 4th, 2025 (61 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Multistep	Areas Under Curves and the Fundamental Theorem of Calculus	17/17 XP
Calculus II	Review	The Image of an Affine Transformation	6/4 XP
Calculus II	Review	Further Differentiation of Curves Given in Polar Form	8/6 XP
Calculus II	Review	Writing Sums of Trigonometric Functions in Amplitude-Phase Form	4/4 XP
Calculus II	Lesson	Harmonic Series and p-Series	6/7 XP
Calculus II	Review	Modeling With the Poisson Distribution	6/4 XP
Calculus II	Review	The Multivariable Chain Rule in Vector Form	8/6 XP
Calculus II	Review	Confidence Intervals for One Proportion	6/4 XP

Mon, Nov 3rd, 2025 (65 XP)

COURSE	TASK	DESCRIPTION	XP EARNED
Calculus II	Lesson	The Integral Test	18/14 XP
Calculus II	Review	Point Estimates of Population Proportions	4/4 XP
Calculus II	Review	The Arc Length of a Polar Curve	8/6 XP
Calculus II	Review	Second-Degree Taylor Polynomials of Multivariable Functions	9/7 XP
Calculus II	Lesson	The Area Between Curves Expressed as Functions of Y	13/13 XP
Calculus II	Review	Hypothesis Tests for Two Means: Known Population Variances	4/4 XP
Calculus II	Review	The Second Derivative Test	7/5 XP
Calculus II	Review	The Spectral Theorem	2/4 XP

Notes:

1. Every learning task is assigned an XP (eXperience Point) value to signify the time required to successfully complete that task.
2. 1 XP is equivalent to 1 minute of focused effort (e.g. a 10 XP lesson should take roughly 10 minutes to complete)
3. The amount of XP awarded is based on the students' performance on that task, with additional "bonus" XP awarded if every question is answered correctly