MATH 000: Preparation for Calculus
CRN 40147; 2 credits; MWF 10:10 – 11:00am
CRN 43328; 2 credits; MWF 11:10am – 12:00pm
Intensive review of fundamental concepts in mathematics utilized in calculus, including functions and graphs, exponentials and logarithms, and trigonometry. This course is for students who need to take MATH 051 or 021, but who require remediation in precalculus. The credits for this course do not count toward graduation, but do count toward GPA and current credit count.

Teaching Staff

MATH 012: Basic Statistics
CRN 40148; 4 credits (MA) MWF 10:10 – 11:00am & T 9:20 – 10:35am
CRN 40149; 4 credits (MA) MWF 10:10 – 11:00am & T 1:10 – 2:00pm
CRN 40150; 4 credits (MA) MWF 10:10 – 11:00am & R 8:20 – 9:10am
CRN 44023; 4 credits (MA) MWF 10:10 – 11:00am & R 3:10 – 4:00pm
CRN 41460; 4 credits (MA) MWF 12:10 – 1:00pm & T 10:45 – 11:35am
CRN 41562; 4 credits (MA) MWF 12:10 – 1:00pm & T 12:10 – 1:00pm
CRN 41461; 4 credits (MA) MWF 12:10 – 1:00pm & R 9:20 – 10:10am
CRN 44027; 4 credits (MA) MWF 12:10 – 1:00pm & R 2:10 – 3:00pm
A first course in the basic concepts and methods of statistics with illustrations from the social, behavioral, and biological sciences. Descriptive statistics; frequency distributions, mean and standard deviation, two-way tables, correlation and regression; random sampling, rules of probability, probability distributions and parameters, parameter estimation, confidence intervals, hypothesis testing, statistical significance. Note: Mathematics and Statistics majors may not receive credit for both MATH 012 & ECO 045.

Teaching Staff

MATH 021: Calculus I
4 credits (MA)
*There are over 20 sections available; please see course schedule for days and times
Functions and graphs; limits and continuity; derivative, differential, and applications; indefinite and definite integrals; trigonometric, logarithmic, exponential, and hyperbolic functions.

Teaching Staff

MATH 022: Calculus II
4 credits (MA)
*There are 15 sections available; please see course schedule for days and times
Applications of integration; techniques of integration; separable differential equations; infinite sequences and series; Taylor’s Theorem and other approximations; curves and vectors in the plane.
Prerequisites: MATH 021 or MATH 076 or MATH 031 or MATH 097

Teaching Staff

MATH 023: Calculus III
4 credits (MA)
*There are 15 sections available; please see course schedule for days and times
Vectors in space; partial derivatives; Lagrange multipliers; multiple integrals; vector analysis; line integrals; Green's Theorem, Gauss's Theorem. Prerequisites: MATH 022 or MATH 096 or MATH 032
Teaching Staff

MATH 033: Honors Calculus III
CRN 44620; 4 credits (MA) MWF 8:10 – 9:00am & F 12:10 – 1:00pm
CRN 44699; 4 credits (MA) MWF 10:10 – 11:00am & F 12:10 – 1:00pm
CRN 44700; 4 credits (MA) MWF 11:10am – 12:00pm & F 12:10 – 1:00pm
CRN 44702; 4 credits (MA) MWF 2:10 – 3:00pm & 12:10 – 1:00pm
Same topics as in MATH 023, but taught from a more thorough and rigorous point of view. Students in MATH 033 will attend a regular MATH 023 lecture but one day a week recitation section for MATH 033 will be separate for those for MATH 023.
Professor Terry Napier

MATH 043-010: Linear Algebra
CRN 40183; 3 credits (MA)
MWF 11:10am – 12:00pm
Matrices, vectors, vector spaces and mathematical systems, special kinds of matrices, elementary matrix transformations, systems of linear equations, convex sets, introduction to linear programming.
Professor Vincent Coll

MATH 051: Survey of Calculus I
CRN 40758; 4 credits (MA) MWF 9:10 – 10:00am & T 2:10 – 3:00pm
CRN 40759; 4 credits (MA) MWF 9:10 – 10:00am & T 3:10 – 4:00pm
CRN 43322; 4 credits (MA) MWF 9:10 – 10:00am & R 10:45 – 11:35am
CRN 43324; 4 credits (MA) MWF 9:10 – 10:00am & R 1:10 – 2:00pm
CRN 40760; 4 credits (MA) MWF 12:10 – 1:00pm & T 9:20 – 10:10am
CRN 40761; 4 credits (MA) MWF 12:10 – 1:00pm & T 12:10 – 1:00pm
CRN 43323; 4 credits (MA) MWF 12:10 – 1:00pm & R 8:20 – 9:10am
CRN 43325; 4 credits (MA) MWF 12:10 – 1:00pm & R 12:10 – 1:00pm
Limits. The derivative and applications to extrema, approximation, and related rates. Exponential and logarithm functions, growth and decay. Integration. Trigonometric functions and related derivatives and integrals.
Professor Donald Davis

MATH 075: Calculus I, Part A
CRN 40184; 2 credits (MA) MWF 10:10 – 11:00am
CRN 43132; 2 credits (MA) MWF 11:10am – 12:00pm
Covers the same material as the first half of MATH 021. Meets three hours per week, allowing more class time for each topic than does MATH 021.
Teaching Staff