North Central State
C O L L E G E

Adjunct Faculty- Mathematics
NEEDED FOR FALL SEMESTER 2019

North Central State College is seeking adjunct faculty to teach Mathematics for Fall semester 2019 (begins August 19, 2019) for the following courses:

MATH-0084 **Intro and Intermediate Algebra** The course consists of a brief review of arithmetic concepts, signed numbers, fractions and decimals. It also includes linear equations and inequalities, polynomials, factoring, rational expressions and equations, coordinate graphing, systems of linear equations, simplification of radicals, functions (including linear, quadratic, exponential and logarithmic), exponents and complex numbers.	Section 30 Tuesday/Thursday 5:00 PM – 7:15 PM Shelby Campus (Kehoe Building)
MATH-1150 **Calculus I** A study of analytic geometry, limits, continuity, the derivative, basic differentiation rules, rates of change, the product and quotient rules, higher-order derivatives, the chain rule, implicit differentiation, related rates, extrema on an interval, Rolle's Theorem and the Mean Value Theorem. Function analysis includes increasing and decreasing functions and the first derivative test, concavity and the second derivative test, limits at infinity and curve sketching. Concluding topics include anti-derivatives, indefinite and definite integrals, the Fundamental Theorem of Calculus, and integration by substitution. Applications include optimization problems, Newton's method, differentials, and areas of planar regions.	Section 30 Tuesday/Thursday 5:30 PM – 7:45 PM Shelby Campus (Kehoe Building)
MATH-2010 **Calculus III** This is the third of three courses in the basic calculus sequence. Topics include vector functions, functions of two or more variables, gradients, tangent planes and normal lines, LaGrange multipliers, partial derivatives (including applications), arc length and curvature, multiple integration, implicit and parametric calculus, spherical and cylindrical coordinates, Jacobians to change variables, and vector calculus including Green's Theorem, and Stoke's Theorem.	Section 02CN Wednesday/Friday 8:00 AM – 9:50 AM Shelby Campus (Kehoe Building)
MATH-9920 **Basic Math & Pre-Algebra W Lab**	Section 30 Monday/Wednesday 6:00 PM – 8:50 PM Main Campus (Fallerius Building)

Qualifications: MA or MS in mathematics or statistics, or master's degree in another discipline with at least 18 graduate credits in mathematics.

Please express your interest in this position by submitting a letter of application and résumé to:

NORTH CENTRAL STATE COLLEGE
Attention: Human Resources
2441 Kenwood Circle
Mansfield, OH 44906

You may also apply online at: www.ncstatecollege.edu. Click on *Jobs*