Teacher Appointment Criteria
Math 15300/15400 – Precalculus

Statement of Intent
This document is intended to be a planning and advising resource for the approved instructor and the IPFW Math Department Representative who mentors and supervises the instructor.

Precalculus is the review of algebraic operations, factoring, exponents, radicals and rational exponents, and fractional expressions. In addition, linear and quadratic equations and modeling, problem solving, and inequalities, graphs of functions and transformations, including polynomial, rational, exponential, and logarithmic functions with applications. Trigonometric functions and graphs, vectors, complex numbers, conic sections, matrices, and sequences are also studied.

Requirements
1. Any instructor who teaches this course must first be certified by the Department of Mathematics at IPFW by meeting minimum qualifications, following an interview. Specifically, the instructor must possess at least a Master’s-level degree in Mathematics, or in another area with at least 18 graduate level hours in Mathematics, with at least three years’ experience teaching the course at the secondary or college level.
2. The instructor is expected to develop a syllabus which meets the goals and outcomes of MA 15900 which have been established by the Department of Mathematics at IPFW.
3. The Department of Mathematics reserves the right and holds the responsibility to periodically review and evaluate MA 15900 courses taught in the high school.