Teacher Appointment Criteria
Math 16500 – Analytic Geometry & Calculus I

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.

Analytic Geometry & Calculus I is an introduction to differential and integral calculus of one variable, with applications and Conic Sections. Topics in MA 16500 include: functions and limits, derivatives, inverse functions, and applications of derivatives. This course must be offered at the high school AP Calculus AB level.

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 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 16500 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 16500 courses taught in the high school.