



Course Proposal for Board Approval

Department: **Math**

The department intends to **add a class** for the upcoming school year.

Course title: **Math 142 College Algebra (PIE UW Whitewater)**

The course will be a(n) **Elective** class that lasts a **Semester**.

Grade levels eligible for enrollment: **Grade 12**

Prerequisites if any: **Completion of Algebra 2, have a 3.25 GPA on a 4 scale, have a 24 ACT score, or teacher recommendation/approval if ACT/GPA requirements not met. (Per UW Whitewater)**

Describe how the course aligns with the department's vision and mission: **Math 142 College Algebra covers polynomial, radical, rational, piecewise, exponential, and logarithmic functions, including basic graphs, transformations, inverses, and combining functions. Solving equations and inequalities both algebraically and graphically are explored. Applications to other disciplines are used to enhance conceptual understanding.**

Identify the content standards: **UW Whitewater College Algebra Standards**

Outline the major concepts included in the course: **Printed Syllabus placed in Dan's mailbox. I will email the syllabus to Dan as well.**

Describe the learning activities: **On Syllabus**

Describe how the course aligns with the current scope and sequence. **This would be a fourth year semester course offered for college credit through UW Whitewater.**

The methods for evaluation include: **Quizzes, three exams, a final exam, and WebAssign homework**

The criteria for intervention and/or enrichment include: **Scheduled lunch and learns with teacher to better understand concepts from quizzes and apply them to tests.**

Additional supplies and equipment with an estimate: **Possibly textbooks.**

Required text for review: **College Algebra, 11th Ed. by R. Larson, Cengage, 2022. (Possibly can get online access through Canvas) \$50 - \$324 (dependent on what option of the book is chosen and what the University offers).**

Additional information: **One concern from the department was some AP Stats students might take this course over taking AP Stats.**

Department Member's Signatures of Support:

Date:

