

**DEPARTMENT OF APPLIED ARTS & SCIENCES-DIVISION OF MATHEMATICS
UNIVERSITY OF MONTANA COLLEGE OF TECHNOLOGY
APPLICATION PROCEDURE FOR MATHMATICS ADJUNCT TEACHING**

Please note that this is not an advertisement for employment. The gathered information is intended to answer procedural questions about potential employment of part-time adjunct faculty. This includes an interest in online teaching.

The Department of Applied Arts & Sciences periodically hires part-time adjunct instructors from a pool of eligible applicants. Completed files will be valid for one academic year, and teaching positions will be offered when they become available. For all Math Courses the minimum requirements for applying faculty shall be a master's degree in the teaching field or a closely related academic discipline with at least nine (9) graduate-level semester credits in the academic discipline.

- ❖ Current adjuncts should submit (1) a letter indicating current file should remain active and (2) an updated resume/CV.

Brief descriptions of Math (M) courses are published in the current UM Undergraduate Catalog:

1. **Prealgebra**

Offered every term. Arithmetic and basic algebra skills needed for Introductory Algebra. Topics include integers and rational numbers, decimals and percentages with applications, ratios and proportions with applications, single variable linear equations with applications, exponents, factoring, and an introduction to polynomials. Credit does not count toward a certificate or degree but will receive Financial Aid credits. Credit does not count toward Associate of Arts or Baccalaureate degrees.

2. **Introductory Algebra**

Offered every term. Review of arithmetic principles of integers and rational numbers, linear equations in one or two unknowns, and operations with polynomials and rational expressions. Credit does not count toward an Associate of Arts or Baccalaureate degree but will receive Financial Aid credits.

3. **Intermediate Algebra**

Offered autumn and spring. Topics include linear equations and systems of linear equations, inequalities, applications and graphing; polynomials; rational expressions and equations; radicals, rational exponents and complex numbers; quadratic equations; introduction to exponential and logarithmic functions. Credit does not count toward Associate of Arts or Baccalaureate degrees.

4. **Contemporary Mathematics**

Offered every term. Prereq. An introduction to mathematical ideas and their impact on society. Intended for students wishing to satisfy the general education mathematics requirement.

5. **Industrial Mathematics**

Offered autumn and spring. Designed to provide the mathematical background necessary for success in the industrial areas. Topics covered include percent, ratio proportion, formula evaluation, basic algebra and geometry concepts, trigonometry, measurement, statistics, and graphing. markdwns, inventory turnover, and other basic formulas. M111 does not satisfy University of Montana general education math requirements.

6. **Probability and Linear Math**

Systems of linear equations and matrix algebra. Introduction to probability with emphasis on models and probabilistic reasoning. Examples of applications of the material in many fields.

7. **College Algebra**

Offered autumn and spring. The study of functions and their inverses: polynomial, rational, exponential, and logarithmic functions.

8. **Applied Calculus**

Offered spring. Introduction to differentiation and integration of elementary function. Introduction to ordinary differential equations. Emphasis is on applications in technical fields including electronics technology. Graphing calculators used.

Please submit the following application materials:

1. One letter of application
Indicate area(s) of interest, specify required degree(s), and reference appropriate experience.
If appropriate, include an interest in online teaching and experience.
2. Resume or CV
3. Minimum of one letter of recommendation, the committee prefers a letter from a reference other than UM Composition or Literature Faculty.

Submit to: Deans Office
The University of Montana College of Technology
909 South Avenue
Missoula, MT 59801

Criminal Background Investigation is required prior to Offer of Employment

In accordance with University policy; finalists for this position will be subject to criminal background investigations.

ADA/EOE/AA/Veteran's Preference

Qualified candidates must be able to meet minimum requirements and perform the primary functions of the position with or without reasonable accommodation. As an Equal opportunity/Affirmative Action employer, we encourage applications from minorities, Vietnam era veterans, and women. This material is available in an alternative format upon request. Qualified candidates may request veterans' preference in accordance with state law.

References

*References in addition to those listed on the application may be contacted without applicant's prior approval.

Testing

Individual hiring departments at UM-M may elect to administer pre-employment test, which are relevant to essential job functions.