

## ERRATUM/ADDENDA TO THE MLWGS 2021-2022 COURSE CATALOG

**The following course was inadvertently omitted from the 2021-2022 MLWGS Course Catalog:**

### **UNIV MATH MODELING**

Course Number: 3231

Prerequisite: AP Calculus or VCU Calculus with Analytic Geometry

Guidelines: B in prerequisite course

MLWGS Credit: 1

This course enhances problem-solving capabilities and introduces students to the modeling process. Modeling serves as a bridge between the study of mathematics and the applications of mathematics to various fields. The student investigates meaningful and practical problems from common experiences encompassing many academic disciplines, including the physical and life sciences, operations research, engineering, management, and government and international studies. All facets of the mathematical modeling process are covered, including creative and empirical model construction, data collection, and model analysis. Topics include linear and multiple regression models, differential equation models, probability and simulation models, optimization models, linear programming and case studies. Students are required to participate in the COMAP HiMCM modeling competition.

**The following additional course change applies to the 2021-2022 MLWGS Course Catalog:**

### **TOPICS IN PHOTOGRAPHY**

The “pending VDOE and Regional School Board approval” note is rescinded for this course.

**The following updated procedures apply to opening section of the 2021-2022 MLWGS Course Catalog and are relevant to International Language courses ONLY:**

Students who have shown extraordinary ability in languages may advance beyond the next course in a sequence under the following conditions:

- (1) The student is in the second semester of their 9<sup>th</sup>-11<sup>th</sup> school year.
- (2) The student’s current language teacher recommends that they participate in testing to determine if advancing to the next level is appropriate.
- (3) The current language department chair recommends that the student participates in testing to determine if advancing to the next level is appropriate.
- (4) The student will be on track to earn four credits of the first language and two of the second if advancement is approved.
- (5) In early spring, the student registers for the next course in the language sequence as a placeholder (e.g., a student in French II registers for French III).
- (6) In late spring, the student takes and passes with an 80% or higher the final exam for the prerequisite course with the current teacher of that course.
- (7) The teacher verifies the score with the Associate Director.
- (8) The Associate Director and Coordinator of Counseling adjust the student’s class schedule to reflect the advancement.

**IMPORTANT: The student will NOT earn course credit for any “skipped” language classes. They will simply be advanced to the next level.**

\* Please note that inclusion in the course catalog does not ensure that a particular course will be offered to students in a specific school year.