

## **Math Made Easy**

**EDUO 9522**

**2 Semester Credit/Unit**

Instructor – Ryan Pickett

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*Note: This is a Public syllabus of the course. For a full detailed syllabus please email the instructor.*

### **Course Overview**

This four course series entitled **Anyone Can Learn Math** is designed to help teachers make math accessible to all students. The other three courses in the series are:

- **EDUO 9523: Learning Math in Groups**
- **EDUO 9521: Stress Free Math**
- **EDUO 9524: Learn Math Through Writing**

Although Math Made Easy is **NOT** a prerequisite for the other three courses, it does provide a foundation for them. Math Made Easy, Learning Math in Groups, and Stress Free Math all require one book entitled Math for Humans by Mark Wahl. The fourth class, Learning Math through Writing, requires a separate book entitled Writing in Math Class by Marilyn Burns.

In the class **Math Made Easy** EDUO 9522 you will learn how to utilize your student's natural learning strengths so that they will be engaged in your math curriculum as well as make significant learning gains.

### **Course Objectives:**

After completing the course Math Made Easy, you will demonstrate or indicate:

- Knowledge of Gardner's theory of multiple intelligences and how it can apply to your math curriculum
- Knowledge of the NCTM Standards and how to apply the constructivist model to them
- Knowledge of Brain Hemisphericity and how it can apply to your math curriculum
- The ability to develop and utilize effective formative and summative math assessments

### **Summary of Course Assignments:**

#### **1. Multiple Intelligences**

In the first assignment you will learn Gardner's theory of multiple intelligences as well as explore how you might be able to utilize your student's strengths while planning your future math lessons.

## Assignment Summaries Continued

### 2. NCTM Standards

In completing assignment two, you will demonstrate your knowledge of the Principles and Standards for math. While doing so, you will create activities for the some of the topics covered in these standards while utilizing the constructivist model and incorporating multiple learning styles.

### 3. Seasoning Math with MI

In this section you will expand your knowledge of Gardner's theory by altering some of your existing math lessons so that they emphasize multiple intelligences.

### 4. Brain Hemisphericity

For the fourth assignment you will be learning the difference between right and left-brain learners as well as the importance of teaching math to both sides of the brain.

### 5. Assessment

In this class you will also learn how to utilize both formative and summative assessments in math and which types of assessments are more beneficial to your students.

### 6. Supercharged

In assignment 6 you will be creating lessons that help students fully understand what the mathematical operations can be used for in real life.

### 7. Sharpening the Math Facts

In completing assignment 6 you will need to be creative while applying what you have learned in this class to demonstrate how you will help a student who has never be able to learn their math facts.

### 8. Accessibility

While reviewing everything you learned in this class, you will be asked to elaborate on how you will now make your math curriculum accessible and engaging to all of your students.

## Course Assessment Rubric

<b>Exemplary:</b> A+ to A-	<b>Acceptable:</b> B+ to B-	<b>Unacceptable</b> Must be resubmitted
Reflective, thoughtful ideas relevant to the assignment are clearly stated	Presents some relevant ideas and connections to the assignment	Ideas are not clear or relevant
Very well organized	Generally well organized	Shows little or no organization
Responses relate numerous facts and specific details of the program materials	Some facts and specific details of the program materials are included	Few or no facts or specific details of the program materials are included
Free of spelling and/or grammatical errors	Writing contains a few spelling and/or grammatical errors	Numerous spelling and/or grammatical errors make the writing difficult to read

- You are allowed 9 months to complete the course. Course questions? Contact your instructor by email.
  - For questions involving your registration or to change your address please contact us at support@dominicanCAonline.com or call (800) 626-5080.
- For Dominican Self-Guided course information go to <http://dominicancaonline.com/Dominican-CA-Online-FAQ>