



- **The course syllabus is provided for your preview. Please be sure to register PRIOR to completing any coursework. Registering for a course after coursework has been started violates accreditation standards and puts the University at risk; therefore, SPU reserves the right to not award credit if students are found to be in violation of this policy.**

Overview:

ArmchairEd.com currently provides continuing education to educators, using Educational Leadership magazine and premiere published books on cutting-edge educational themes and topics. The program has been operating since Fall, 2000, and has provided continuing education to hundreds of educators.

Course Goals and Objectives:

As a result of these courses, the student will be able to:

1. Create changes to your classroom instructional practice.
2. Identify how to change a limitless mathematical mindset.
3. Consider your role in expanding educational roles and influencing the educational system.

The following published book is currently being used as text for the ArmchairEd course:

Bad at Math? Dismantling Harmful Beliefs That Hinder Equitable Mathematics Education

Gonzalez, L. (2023). *Bad at Math?* Corwin Press.

“I’m bad at math.” It’s a line that society tends to accept without examination—after all, some people just aren’t “math people,” As with other essential skills, we need to expose the stereotypes, challenge the negative mindsets, and finally confront the systemic opportunity gaps in math education, and replace them with a new vision for what math is, who it’s for, and who can excel at it. This course covers the following research on teacher and student mindsets and their effect on student achievement, differentiation tools, and suggestions for deeper learning on all aspects of a positive and equitable vision of math education.

Credit Options:

The course will be offered for three credits, based on the length and substance of the books. The three-credit course will include 30 multiple-choice questions and three required essays.

Grading Rubric:

Letter Grade: 90%: A grade
80%: B grade
70%: C grade

Pass/Fail: Coursework must be passed with 70% criterion

Multiple Choice Test: 25% of overall grade

Essays: 75% of overall grade



Three essays required:

Option 1: At the end of each chapter are questions for reflection. Choose at least two, and identify how they might change your classroom instructional practice. If applicable, implement them and discuss the result.

Option 2: Take a few minutes to reflect on your own personal mathematical mindset or the mathematical mindset of students in your classroom. Have you had a situation where you needed to change your own or a student's mindset? Consider the information you are taking from this text. What can you do to create a more limitless perspective?

Option 3: Chapter 9 considers whether the school system is broken. Using the chapter points, consider your educational position, your school, and your school district, and identify what systemic changes should occur at each level in order to improve the system.

Option 4: Create your own demonstration of the learning you take from this text. Identify your topic and describe it in an introductory paragraph. You may choose from the list below or develop your own.

Plan a unit with incorporating active learning and the use of the common core mathematical practices

Action Research

Extended learning, including research and developed activities

Compare/contrast your current education practice to that of the text

Create forms or systems for use in your classroom including assessment tools

Plan an 'event', meeting or other pertinent program and report/reflect on it

Essay scoring rubric:

Three essays required

Page requirements listed on course download

Each essay 25% of overall grade

Single-spaced, 10 to 12-size font

Use of introduction and summary statement (even when a unit is developed)

Demonstration of grammar, spelling, and writing skill

Demonstration of applied knowledge

- All essays must be fully completed and the rubric followed to receive a grade. Essays not completed to required length will not be processed and revisions will be required.
- You must download the coursework before starting this course.
- Submit all coursework together.
All essays must be fully completed and the rubric followed to receive a grade. Essays not completed to required length will not be processed and revisions will be required.