

Numeracy Practices for Adult Instruction

Course Description and Overview:

Numeracy Practices for Adult Instruction is a six-week, asynchronous online course that requires a minimum of 30 hours of your time. The course is designed to help teachers understand the 21st Century concept of Numeracy and to design adult instruction that facilitates Numeracy development for students in adult education programs at all literacy levels (beginning to advanced) and in diverse settings (e.g., incarcerated learners, community based-programs, community colleges, refugee centers).

Participants will be introduced to Numeracy in the context of the College and Career Readiness Standards for Mathematics. For three weeks during the course, participants will explore Numeracy instruction with the four Mathematics domains integrated together. The first of these weeks will focus on CCRS Levels A & B, the second B, C & D, and the third D & E. There will be a focus on instruction for Algebraic Thinking throughout the course.

Note: There will be a lot of additional links and resources posted. Explore these to inform your practice as you have time.

Weekly Format:

Lessons are sequential, and each week will follow a similar format. Each week has:

- An announcement that introduces the content
- A review of weekly resources
- *Discussion Board* questions, which require thoughtful responses
- Math activities for you to design and/or redesign
- Opportunities for you to respond to peers

Learning Outcomes:

This course is designed to help teachers understand the 21st Century concept of Numeracy. Participants will also learn to design adult instruction that facilitates Numeracy development for students in adult education programs at all literacy levels (beginning to advanced) and in diverse settings (e.g., incarcerated learners, community based-programs, community colleges, refugee centers).

Course Objectives:

| What you will be learning. | How you will express and demonstrate that learning. |
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| Understanding the fit of Numeracy instruction practice within the scope of effective mathematics teaching practice and recognizing the hallmarks of a Numeracy-focused classroom. | <ul style="list-style-type: none">● Ongoing reflections of your learning by posting in the Discussion Board.● Reflecting on weekly articles and videos.● Providing weekly peer feedback. |
| Participants will present, discuss, and revise three mathematics activities (one each at low, intermediate, and high levels) to be aligned with 21st century Numeracy instruction. | <ul style="list-style-type: none">● Upload your math activity● Comment on at least two peers' activities● Revise your math activity |
| Learn the definition of Numeracy and how it applies to different populations and settings. | In the <i>Discussion Board</i> share your personal definition of Numeracy and how this course helped you revise it. |

Course Schedule:

| Week | Assignments |
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| Week 1: Introduction to Numeracy and Numeracy aligned instruction | 1. Post to the Discussion Board 2. Comment on at least two of your peers' posts |
| Week 2: Numeracy's fit within 21st Century adult instructional practice | 1. Post to the Discussion Board 2. Comment on at least two of your peers' posts |
| Week 3: Taking an activity for learners at levels A/B and making it Numeracy aligned | 1. Post to the Discussion Board 2. Comment on at least two of your peers' posts 3. Activity 4. Revise Activity |
| Week 4: Taking an activity for learners at levels B+/C+/A- and making it Numeracy aligned | 1. Post to the Discussion Board 2. Comment on at least two of your peers' posts 3. Activity 4. Revise Activity |
| Week 5: Taking an activity for learners at levels D+/E+ and making it Numeracy aligned | 1. Post to the Discussion Board 2. Comment on at least two of your peers' posts 3. Activity 4. Revise Activity |
| Week 6: Reflecting on our course and planning for the future | 1. Post to the Discussion Board 2. Comment on at least two of your peers' posts 3. Final Revision 4. Complete End-of-Course Evaluation |

Course Requirements:

Because the course is designed for busy professionals, it is scheduled over several weeks to allow time to work through the materials and complete the weekly work according to your schedule. It is important to you and to the learning community that you have reviewed your personal and work schedule and have made the time available to commit to your learning and professional growth. It is expected that the course will require about five hours per week.

You must have consistent and reliable Internet access to participate in this course. In order to receive a certificate of completion, you must complete and submit all assignments, including the *Discussion Board* questions and responses to at least one classmate in each week. Remember that, although you will gain from doing the activities, you will learn most from discussions with your online colleagues and facilitator(s). To keep our discussions as productive as possible, please stay within the timeframe outlined for this course. You may refer to the course timeline for specific dates.

Discussion Board Posts:

Write a one- to two-paragraph response for each *Discussion Board* question.

In order to receive full credit for your peer response post, your writing should include some details or depth. (Cursory responses such as "I agree with your answer." or "That is a good point." will not receive full credit.)

Please do not create your own thread when responding to *Discussion Board* questions. All that is needed is to click the *reply* button.

Participants who do not post to the *Discussion Board* within the first week will be removed from the course. This will then place you on "waiting list only" status for future online courses and trainings.

If you do not post for more than one week at any time during the course or if you fall more than one week behind in your assignments, you may be removed from the course and will be placed on "waiting list only" status for future online courses. If you find that you cannot post for more than two weeks, please contact your technical facilitator at valrccourses@vcu.edu or 1-800-237-0178 as soon as possible to discuss the situation and your further participation in the course.