

Foundations of Teaching Adult Numeracy

What is numeracy? Is numeracy just another word for math? How should you approach numeracy with adult students? In this foundational course you'll learn how to keep students at the center of numeracy instruction. You'll explore the context, content, and cognitive and affective components of numeracy; how to address the needs of students with learning gaps; how students' styles of learning math and levels of math knowledge affect their math skills; and ways to build students' success in learning math. You'll plan classroom activities, test them with your students, and share your experiences with fellow teachers.

Course Topics

- Adult Education Teachers at Work and at Home
- Math Autobiography
- Components of Numeracy
- Reasons for the Learning Gaps
- Easing Math Anxiety
- Students with Learning Disabilities and/or Language Issues
- Addressing the Needs of Students with Cultural or Language Barriers
- The Value of Providing Problems in Context
- Math Learning Styles
- The Case Against the Status Quo
- Constructivism
- Levels of Knowing Math
- Closed Problems
- Open Problems
- Analyzing and Assessing Students' Mathematical Thinking
- Facilitation Questions

This course is the first in a six-part series of online courses focused on effective adult numeracy instruction. Other courses in this series are:

- *Teaching Reasoning and Problem-Solving Strategies*
- *Number Sense: Teaching About Parts and Wholes*
- *Geometry: Teaching About Shapes and Their Measures*
- *Data: Helping Students Interpret Statistical Representations*
- *Algebra: Introducing Algebraic Reasoning*

Participation in this course or comparable experience will be a prerequisite for participation in five courses that follow.

Prerequisite: None

Course Format: facilitated, online

Throughout this six-week course you will follow a weekly schedule of activities and readings, as well as asynchronous electronic discussions with the facilitator and course participants.

Estimated Completion Time: approx. 2-3 hours per week; 12 hours total

Completion Requirements: Successful completion requires participants to complete required assignments, participate in asynchronous discussion, and score at least 80% on the course exam. Participants may download a Certificate of Completion upon successful completion of course requirements.

Participants are encouraged to seek approval in advance from their agency or organization for continuing education or professional development credits that may be awarded for successfully completing this online course.

Course Fee: \$179 (\$152.15 for ProLiteracy members. Group discounts available.)

Questions? Please call 888.528.2224 ext. 283 or e-mail prodev@proliteracy.org.

**For information about upcoming course dates and registration,
please visit ProfessionalStudiesAE.org.**