

Content Area Reading in Science and Mathematics
3 graduate credits
June 20-July 1, 2011
ELMG 593-50 (for distance students, CRN# 50868)
ELMG 593-80 (for residential students, CRN# 50859)

This online graduate course requires co-registration in a 5-day face-to-face institute offered in collaboration with Western Carolina University's Center for Mathematics and Science Education. The institute, SITE: CARSAM, is a program of the North Carolina Science and Mathematics Education Network. During the institute, instructors will focus on strategies that enable students in upper elementary, middle, and high school to cope more effectively with reading and writing in these important content areas. This is a hands-on institute; all lessons will be applied directly to various kinds of texts used in participants' classrooms. Instruction will involve analyzing texts, designing lessons to help students use those texts and other written materials more successfully, and ways to use writing to enhance student learning in science and mathematics. The examples used during the institute will focus on the specific nature of reading and writing inherent to science and mathematics but the strategies are appropriate for other content areas. Topics to be covered include but are not limited to:

- Comprehension strategies
- Principles of working with struggling readers
- Readability of texts and other written materials
- Writing strategies
- 5E lesson structure and metacognitive strategies

The online graduate course will begin on June 20 and continue through July 1. Students will use the WCU online course delivery system (Blackboard) to collaborate with classmates and the course instructors as they apply ideas from the institute to their particular needs. By the end of the second week, each participant will create a portfolio of materials to use in his or her own classroom.

Logistics: The online graduate course will take place from Monday June 20 through Friday July 1. All students should have consistent computer access and reliable internet connections. This CARSAM institute will meet face-to-face daily from Monday June 20 through Friday June 24, 9:00am-3:30pm on the UNCA campus. There will be a \$60 materials fee payable to the Center for Mathematics and Science Education on the first day of the institute. Please register by June 1 if possible.

Role in WCU's Elementary and Middle Grades Education Master's Programs: This course can count as a subject matter education elective for Elementary Education (MAEd) or Middle Grades Education (MAEd) in Mathematics, Science, or Reading/Language Arts. It can also count in the graduate licensure program for Content Area Reading if your concentration is middle grades mathematics or science education. (Student chooses one of these areas.)

Instructors:

- Dr. Patricia Bricker. Assistant Professor of Science Education, Department of Elementary and Middle Grades Education, Western Carolina University
- Melissa Hedt – Literacy Coach, Asheville Middle School

For more information, contact:

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