

## Math 800T – Mathematics as a Second Language

Offered by the University of Nebraska-Lincoln through the *NU-Teach Summer Institute*

<b>Dates:</b>	June 23-27, 2008
<b>Times:</b>	8:00 – 5:00, M – F (lunch provided)
<b>Course Number:</b>	Math 800T
<b>Section Number:</b>	XXXX
<b>Location:</b>	Life Long Learning Center, Northeast Community College, Norfolk
<b>Primary Audience:</b>	Math teachers of grades 3 – 6 (Limited to 30 participants)
<b>Secondary Audience:</b>	Any K–8 teacher interested in deepening their understanding of arithmetic and the rational number system
<b>Prerequisite:</b>	Elementary teacher preparation
<b>Instructional Options:</b>	
<b>UNL Credit Option</b>	Teachers may earn 3 graduate credits from UNL
<b>Cost<sup>1</sup></b>	\$537.60 (Cost is 80% of graduate tuition for a 3-hour course)
<b>Audit Option</b>	Teachers may audit the course for professional development
<b>Cost<sup>1</sup></b>	\$250

**Early application is encouraged, as space is limited to 30 participants. Applications must be received by May 15, 2008.**

<sup>1</sup>These pricing options are a special benefit to Nebraska teachers whose ESU or local school district is part of the NU-Teach Institute Partnership. ESUs 7 and 8 are a part of the NU-Teach Institute Partnership.

**Course Description:** Mathematics as a Second Language will lead participants through an in-depth study of the mathematics underlying the elementary curriculum. Particular attention will be paid to the language of mathematics, our base-ten number system and their effects on the algorithms used for mathematical operations. The course will emphasize understanding the meaning of operations and developing number sense in order to perform them flexibly. It will also focus on the development of the “habits of mind of a mathematical thinker” through innovative problem solving activities.

**How to Register:** To register for the section of Math 800T to be offered in Norfolk from June 23-27, 2008, please complete the following steps:

**Step 1** Complete the ESU registration form attached. Send it to in care of Deb Wragge, ESU 7, 2657 44<sup>th</sup> Ave, Columbus, NE 68601.

This form will be used by ESU 7 and 8 to notify UNL of your intent to register for credit or audit the class.

**Note:** Please do not delay registering. Space is limited to 30 participants.

**Step 2** If you will take Math 800T for graduate credit, you must apply to and be admitted to Graduate Studies at UNL. If this is your first graduate course at UNL, please contact Jason Cruise in the UNL Graduate Studies Office at (402) 472-2845 or via email at [jasoncruise.graduate@unl.edu](mailto:jasoncruise.graduate@unl.edu). There are several admission options available to you, and Jason will direct you through this process. Contact him by May 27<sup>th</sup> to allow sufficient time for the graduate admission process.

**Step 3** All participants must go on-line to the UNL Graduate Studies, Nebraska Teach website: <http://www.unl.edu/gradstudies/teachneb/> to register for Math 800T. If you need assistance, contact Jason.

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## **Additional Benefits:**

- 1) The ESU 7 *Math in the Middle Mini Grant* will provide continental breakfast and lunch for all participants each day.
- 2) Instructional materials will be provided at no additional cost.
- 3) Those individuals opting to take Math 800T for graduate credit will be stipend \$110 per full day of attendance. These funds may be used to offset the UNL credit expense. The stipend is **not** available for those participants choosing to audit the course.
- 4) The instructional team will be led by Dr. Jim Lewis – UNL, Cheryl Olson Miner – UNL and two *Math in the Middle* graduates from the ESU 7 and ESU 8 regions.

A direct bill block of 15 rooms for teachers who live more than 60 miles from Norfolk, has been arranged at the *Holiday Inn Express*, 920 South 20<sup>th</sup> Street, Norfolk – 402-379-1524. These rooms will be held until June 2<sup>nd</sup>. (The expense of room bookings after June 2<sup>nd</sup>, are the responsibility of the participant.) When booking a room, please identify yourself as a member of the *Mathematics as a Second Language* group. A complimentary breakfast is served at the hotel.

**The NU-Teach Institute Partnership:** With the generous support of the National Science Foundation, UNL, Nebraska's 14 rural ESUs, and 65 local school districts formed the Math in the Middle Institute Partnership. As part of this Partnership, 130 Nebraska teachers (over half of whom have an elementary certification) have taken part in a graduate program that leads to a master's degree from UNL. To date, 60 teachers have earned their Masters' Degree from UNL and another 33 are expected to graduate in Summer 2008. Although NSF funding is ending with the current cohorts of teachers in the program, the benefits to Nebraska teachers and to their students are too important to let the program end. Thus, the Math in the Middle Institute Partnership is becoming the NU-Teach Institute Partnership and we are working together to make graduate coursework in mathematics and mathematics education accessible to Nebraska teachers at all grade levels. Our long term goal is to continue to make the Math in the Middle graduate program available to teachers and to expand offerings for secondary math teachers.

**Benefits of the NU-Teach Partnership:** Because UNL supports the national commitment to improving K-12 mathematics teaching and learning, NU-Teach is authorized to offer teachers an opportunity for graduate education using a concentrated delivery format (1-week) and deeply discounted prices. Math 800T will be offered in Norfolk at Life Long Learning Center, Northeast Community College. This approach minimizes the cost of graduate education and protects teacher time in the summer for other pursuits.

**Graduate Credit – Graduate Expectations:** Teachers who take Math 800T for UNL graduate credit will be expected to complete an End-of-Course Problem Set designed to reinforce mathematics learned during the course. The End-of-Course Problem Set will be due July 11, 2008.

*For more information contact:*

Deb Wragge  
Professional Services Coordinator  
Educational Service Unit 7  
2657 44<sup>th</sup> Ave  
Columbus, NE 68801  
dwragge@esu7.org  
402-564-5753

Shannon Parry  
UNL Center for Science,  
Mathematics & Computer Educ.  
251 Avery Hall  
UNL, NE 68588-0131  
[sparry3@unl.edu](mailto:sparry3@unl.edu)  
402-472-9312

**Math 800T – Mathematics as a Second Language**  
ESU Registration Form

Name: \_\_\_\_\_

Please check your registration option:

\_\_\_\_\_ I wish to take Math 800T for UNL Graduate Credit

\_\_\_\_\_ I wish participate under the audit option.

School: \_\_\_\_\_

ESU: \_\_\_\_\_ District: \_\_\_\_\_

School Address: \_\_\_\_\_

\_\_\_\_\_

School Phone: \_\_\_\_\_ School FAX \_\_\_\_\_

Home Address: \_\_\_\_\_

\_\_\_\_\_

Home Phone: \_\_\_\_\_ Email \_\_\_\_\_

Current Grade level/position \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature of Applicant

Date

**This ESU application should be sent to:**

Deb Wragge  
Professional Services Coordinator – Staff Development  
Educational Service Unit 7  
2657 44<sup>th</sup> Ave  
Columbus, NE 68601

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