Mathematics for Special Education
Math 306
Fall 2004 Syllabus

Meeting T & R 4:45-6:00 in MacLean 269, Section # 001680

Professor: Dr. Tim Harms   *Office*: MacLean 364
Office Phone: 477-4016   *Office hrs*: M, W, F 9:00-10:00, 11-12,
e-mail: harms@mnstate.edu   T & R 1-2, 3:30-4:30

Web page: http://www.mnstate.edu/harms

Required Text & Supplement:
Text: Helping Children Learn Mathematics, Wiley Publications, 7th Edition. 2004

Recommended Supplies:
Three ring binder, pencil, & scientific calculator

Course Description:
Development of content and methods for teaching mathematics in special education setting.
Open only to majors and minors in special education. Does not substitute for MATH 406.

Course Objectives:
   To provide a general background in the concepts and skills of elementary mathematics, and
   students will demonstrate various methods of teaching math in a meaningful way for those
   with disabilities.

Student Expectations:

- Regular and active classroom participation is a must as your communication of
  mathematics is to be developed and assessed - Contact Dr. Harms if you are going to be
  absent
- Turn off cell phone ringers during class, you will be asked to leave class if your cell
  phone goes off during class and it will be considered an absence
- Learn more mathematics and hopefully experience some enjoyment in the learning
- Assignments read and submit assignments by the due dates listed on-line calendar
- Display behaviors and attitudes suitable for a professional educator
- Students will act in an honest and trustworthy manner

Course Outline:

Unit 1- Mathematics Learning and Problem Solving (Chapters 1-2, 5-6); Unit 2- Teaching
Mathematics, Assessment, Number Sense, Patterns (Chapters 3-4, 7, 14); Unit 3- Place Value,
Operations, Computational Tools & Algorithms (Chapter 8-11); Unit 4- Fractions, Ratios,
Proportions, Geometry and Measurement (Chapters 12-13, 15-16)

Class assignments with due dates are posted and regularly updated on the Web page listed above under
Evaluation:
the *Math 306* Calendar.

- Four unit tests each worth approximately 100 pts.
- Quizzes will occur about every other week each 10 to 20 pts.
- Problems collected from the textbook assignments, handouts, and activities each 5 to 15 pts.
- Case Study responses on eTIPS 30 pts.
- Final project worth 100 pts. due by Monday Dec. 13 at 3:00 p.m.

If you have 1 or fewer absences at the end of the semester your lowest quiz will be dropped from your course average. Four or more absences will result in a letter grade reduction (note: 2 tardies will be considered equal to an absence).

(Late work will lose 50% of its value each weekday beyond its due date. No make-up on missed quizzes or tests if prior arrangements have not been made with Dr. Harms)

Grading Scale:

-98 A+; 97-93 A; 92-90 A-

89-88 B+; 87-83 B; 82-80 B-

79-78 C+; 77-73 C; 72-70 C-

69-68 D+; 67-63 D; 62-60 D-

59%- F

Assistance Available:

If you are having trouble <u>please</u> see Dr. Harms during office hours or make an appointment. Math tutors are available in MacLean 362A. Individual tutors can be arranged through the counseling center located in Bridges 260, or call 236-2227 to schedule an appointment.

Special Accommodations:

Students with disabilities who believe they may need an accommodation in this class are encouraged to contact Greg Toutges, Coordinator of Disability Services at 477-2652 (voice) or 477-2047 (TTY), CMU 222 as soon as possible to ensure that accommodations are implemented in a timely fashion.