Math 144- Topic in Mathematics
Spring 2002
Dr. Patsy Fagan

Section 401	MW: 2:00-3:15 pm, Mered 234	Office:	Howard 110
Office Hours:	MW: 8:30 – 10:30 am; W: 3:30-4:30 pm	Telephone:	271-2839
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Required Text: NCTM Principles and Standards for School Mathematics (Materials will be distributed in class).
Required Equipment Computer with Internet connection
Necessary Web sites: www.education.ti.com; www.nctm.org; www.iowamath.org

Schedule: This is a discussion class. Your attendance is required at all class meetings. The following topics/ reading assignments/ papers with tentative start/ due dates are as follows:

1/23 Chap. 1 – A Vision for School Mathematics, pp. 1-8

1/30 Chap. 2 – Principles for School Mathematics, pp. 11-27
2/4 Chap. 3 – Standards for School Mathematics: PreK-Grade 12, pp. 29-71
2/11 Chap. 8 – Working Together to Achieve the Vision, pp. 367-380
Paper 1 due: Discuss/ describe the PSSM

2/18 Read the Algebra Standard across the grade bands.
Choose 1 standard and 1 benchmark and answer the questions: How does algebra compare across the grades? Take one concept and write a different activity for each grade band. Discuss how the activities differ to accommodate the students' cognitive development.
Share projects in class.

4/1 Read all of the Standards for one grade band.
Respond to the question: How do these Standards compare to a school district's (choose one) adopted mathematics standards and to a state's (choose one) adopted Standards and Benchmarks.

4/29 Paper 2 due: Discuss 3-4 concerns/ issues that a school district/state have regarding a PreK-12 mathematics program. Discuss how adopting the PSSM could help to address these concerns. Interview 4 people with at least 1 from each group: School personnel (K-12 school administrator, K-12 classroom mathematics teacher, post-secondary mathematics educator) and Community (parent of a K-12 student, business – non parent, community – non parent/non business), and on-line resource.

Important Dates:	Feb. 4:	Last day to drop without a mark of "W"
	Feb 22:	ICTM Annual Winter Conference
	Mar 15:	Last day to drop or declare CR/NC; No drop slips will be signed after this date
	Mar 18-22:	Spring Break - No class
	May 10:	Study Day - No class
	May 13-17:	Final: TBA