READING LIST WITH CHECK LIST FOR
MATH 4371

The following is a list of the required and recommended readings for MATH 4371. Please record the time and date you read the given selection in the space provided. Also record your impressions and conclusions pertaining to the given selection in the space provided under the listing.


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2. CURRICULUM & EVALUATION STANDARDS FOR SCHOOL MATHEMATICS, NCTM, 1989, pp 1-12 required. pp 15-116 recommended. (multiple copies on reserve) _______/_____/_____.

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3. "In the Beginning: Mathematical Preparation for Elementary School Teachers" by G.S. Young, COMAP. 30 pages. _______/_____/_____.

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10. The following 3 articles are all to be found in *PROCEEDINGS OF THE FIFTH ANNUAL INTERNATIONAL CONFERENCE ON TECHNOLOGY IN COLLEGIATE MATHEMATICS*, ed Lewis Lum, Addison-Wesley Publishing, 1992. Your are required to read at least 2 of them. (2 copies on reserve: #619-1968 and #619-1976)


11. The following 10 articles are all in *CALCULATORS IN MATHEMATICS EDUCATION, 1992 YEARBOOK OF NCTM*, NCTM 1992. You are required to read at least 6 of them. (2 copies on reserve: #619-1992)


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f. "Decimals and Calculators Make Sense!" by D. Huinker. pages 56-64.
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g. "Concept Development and Problem Solving Using Graphing Calculators in the Middle School," by
   C. Vonder Embse. pages 65-78.
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h. "Calculators in the UCSMP Curriculum for Grades 7 and 8," by D. Hirschhorn & S. Senk. pages
   79-90.
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i. "Super Calculators: Implications for Calculus Curriculum, Instruction, and Assessment," by T. Dick,
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The following 2 articles should be of interest to anyone who plans to teach middle school in Texas. They are on reserve but optional reading for this course.


**Pursuing Excellence** (Initial findings from the Third International Mathematics and Science Study, TIMSS), U.S. Department of Education, Washington DC, 1996. (Recommended portions: *Key points*@section of all chapters, all of Chapter 3, all of Chapter 4, and the Conclusions.) (1 copy on reserve)