

COURSE SYLLABUS

FACULTY MEMBER:

TERM:

COURSE TITLE: Math Concepts for Teachers

COURSE NUMBER: MED 6000

OFFICE HOURS/METHOD OF CONTACT:

A headset or microphone.

- b. Negative Numbers and Integers
- c. Decimals, Rational and Real Numbers
- III. Demonstrate proficiency in using the Concrete-Pictorial-Abstract approach to assist students in building conceptual understanding.
- IV. Demonstrate understanding of the six Content Domains in the Common Core State Standards: Counting and Cardinality, Number and Operations in Base Ten, Operations and Algebraic Thinking, Number and Operations-Fractions.

Textbook:

TITLE: Elementary Mathematics for Teachers,
AUTHOR: Thomas H. Parker and Scott J. Baldrige
PUBLISHER: Quebecor World, MI, Sefton-Ash Publishing.

Other resources:

www.corestandards.org; Common Core State Standards
Knowing and Teaching Elementary Mathematics, by Liping Ma;
 Eureka Math www.greatminds.net; www.engageny.org
Number Talks, by Sherry Parrish
 National Council Teachers of Mathematics www.nctm.org
 Primary Mathematics 3a, Ministry of Education, Singapore ISBN 981-01-8502-2
 Primary Mathematics 4a, Ministry of Education, Singapore ISBN 978-981-01-8506-0
 Primary Mathematics 4b, Ministry of Education, Singapore ISBN 978-981-01-8507-7
 Primary Mathematics 5a, Ministry of Education, Singapore ISBN 978-981-01-8510-7
 Primary Mathematics 6a, Ministry of Education, Singapore ISBN 978-981-01-8514-5

ASSIGNMENTS/EXAMS:

- Discussion Board
Respond to each discussion item with one original statement and two comments to other students' post.
- Homework sets
Complete assignments for each class, readings and problem sets.
- Quizzes
2 Quizzes to measure progress during the semester
- Pre/Post-test
Exam to measure content knowledge gained

Evaluation Procedure and Grading Policy:

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| A. Discussion Board | 12 assignments @ 20 points each |
| B. Homework Sets | 13 assignments @ 12 points each |
| C. Quizzes | 2 @ 60 points each |
| D. Post test | 50 points |

COURSE SCHEDULE: