



SU DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
 SYLLABUS (*Tentative*)
 MATH 500 *Foundations of Number Theory*

Objective: To explore the structure of the Real Number System and topics from Elementary Number Theory.

Intended for: Middle School and Junior High School Teachers of Mathematics.

Prerequisite: One course in college mathematics.

Text: “The Number Systems of Analysis,” by CHC Little, KL Teo & B Van Brunt; World Scientific Books, 2003

	Weeks
<i>Mathematical Processes</i>	2
<i>Natural Numbers</i>	2
<i>Integers</i>	3
<i>Rational Numbers</i>	3
<i>Real Numbers</i>	3
<i>Tests</i>	$\frac{1}{14}$

EVALUATION

Homework Assignments	50%
Mid-term Exam	25%
Final Exam	25%

NOTE: ONCE A STUDENT HAS RECEIVED CREDIT, INCLUDING TRANSFER CREDIT, FOR A COURSE, CREDIT MAY NOT BE RECEIVED FOR ANY COURSE WITH MATERIAL THAT IS EQUIVALENT TO IT OR IS A PREREQUISITE FOR IT.