COURSE OUTLINE FOR MATH 103A

Instructor: Nick Marsden, Ewing 258

Text: Logic and Proof
      Second Edition
      Author - Marvin L. Bittinger

A. FROM NOTES

    #   Time
    1   2   Rational and Irrational Numbers
    2   2   Cardinality
                              ASSIGNMENT 1
    3   2   Standard Limits
                              ASSIGNMENT 2
    4   2   Limits at Infinity, Infinite Limits, One-sided Limits
                              ASSIGNMENT 3

B. FROM TEXT

    #   Text   Time
    5   1.1,2   1   Introduction to Set Theory
    6   1.3-5   2   Logic: Simple Connectives
    7   1.6,7   1   Quantified Sentences
    8   1.8   1   Tautologies
                              ASSIGNMENT 4
    9   1.9   2   Simple Valid Arguments
    10   1.11   1   Negations
                              ASSIGNMENT 5
    11   2.3   1   P --> Q Proofs
    12   2.4   1   P <--> Q Proofs
    13   2.5   1   For any x, P(x) Proofs
                   1   MIDTERM, Lessons 1 to 13

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    14   2.6   1   Proof by Cases
    15   2.7   2   Induction
                              ASSIGNMENT 6
    16   2.8   1   Proof by Contradiction
    17   3.1   3   Basic Set Properties
    18   3.2   2   More Set Properties
                              ASSIGNMENT 7

C. FROM NOTES

    #   Time
    19   1   Sequences
    20   3   Theorems on Convergence of Functions, including
Sequences
    21   1   Continuity
                              ASSIGNMENT 8

Review: 3 hours

Final exam, Lessons 1 to 21

EVALUATION PROCEDURES FOR MATH 103

COURSE MARK

    Assignments: 25% (marks off for late assignments)
    Midterm: 25%
    Final: 50%

LETTER GRADE

Your course mark is then translated to a letter grade using the
following table:

    A+ 95%   B+ 80%   C+ 65%

    A 90%   B 75%   C 60%

    A- 85%   B- 70%   D 50%

I reserve the right to lower one or more of these figures if I
judge that your midterm and/or your final exam were more
difficult than in previous years.

Nick Marsden
Ewing 258