

Math 101.004 Mathematics in Modern World, Winter 2008

Time : M~F 11:00~11:50

Location : Bouillon 144

Credit Hours: 5

Text : Using and Understanding Mathematics 4th ed. by Jeffrey Bennett & William Briggs, Addison-Wesley Publishing Company

Instructor : Jae-Chun Kim

Office : Bouillon 123

Office Phone : 963-2268

Office Hours :

MW : 12:10~12:50

TTh : 9:00~10:50 or by appointment

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Course Description:

Selected topics from the historical development and applications of mathematics together with their relationship to the development of our present society

Course Objective:

At the completion of this course, all students are expected to be able to:

1. Be familiar with techniques from many branches of mathematics
2. Develop the ability to analyze quantitative information critically
3. Investigate real world problems creatively
4. Determine the reasonableness of solutions
5. Communicate knowledge in both everyday and mathematical language

Course Requirements:

1. Attending all classes. If however, a student has to miss a class, it will be his/her responsibility to catch up on the material before the next class meeting.
2. Completing all homework problems.
3. Participating in all quizzes and tests. If a student misses a test because of illness, the instructor must be informed without delay. Only in such cases will there be a make-up test. Problems chosen for the tests will generally be of a similar difficulty level as the assigned homework problems. There will be no retest given
4. Participating in the comprehensive final examination.

Instructional Method:

Most sessions of the course are lectures and problem solving. The class will begin with discussing previously assigned homework problems followed by lectures over the day's subject. The time remaining will be used to answer and discuss questions.

Course Outline

This outline is tentative. There may be some changes depending on our performance and other situations.

Week 1~2 : Chapter 1 and 2

Week 3~5 : Chapter 3~5

Week 6~8 : Chapter 7~9

Week 9~10: Chapter 12 and Review

Final Exam : 3/12(Wednesday) 8:00~10:00

Grading Policy : 2 tests(200 pts), Homework/Quiz(200pts), Final(200pts)

93~ : A

90~92 : A-

87~89 : B+

83~86 : B

80~82 : B-

77~79 : C+

73~76 : C

70~72 : C-

67~69 : D+

63~66 : D

60~62 : D-

~59 : F

This syllabus is subject to modifications upon the decision of the instructor.