Mathematics 205 — Mathematical Explorations

(see Course Descriptions for the applicable academic year: http://www.ucalgary.ca/pubs/calendar/)

Possible Texts: 'Beyond Numeracy' by John Paulos
                        'Excursions in Modern Mathematics' by Tannenbaum & Arnold
(not necessarily required texts)

Syllabus

For students whose major interests lie outside the sciences. Highly recommended for students pursuing an Elementary School Education degree. It is not a prerequisite for any other course offered by the Department of Mathematics and Statistics, and cannot be used for credit towards any Major or Minor program in the Faculty of Science except for a major in General Mathematics.

MATH 205- Mathematical Explorations

Course Outcomes

By the end of this course, students are expected to demonstrate numeracy, which is the quantitative skill analogous to literacy. Specifically, by the end of this course students should be able to:

1. consistently make accurate algebraic calculations - especially using fractions, exponents and logarithms.

2. list a number of occurences of mathematics being used to solve 'real world' problems.

3. write detailed solutions to homework problems using proper mathematical grammar, such as sound expressions of mathematical equations.

4. explain the meaning of those mathematical equations and other expressions which arise in the course.

5. participate in classroom demonstrations and discussions, and demonstrate proficiency in oral communications when discussing numeracy.

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16.11.02   Calendar Description Change 2005/06
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