



Introductory Mathematics 101 Course Online

University of Regina

Objectives for Innovation

Web-based instruction

Intended Audience

Undergraduate students in programs
such as Arts and Education

Results Achieved

Fully online version of an introductory
university-credit course in math

Offered three times in 1998,
1999 and 2000

Flexible access for students across Canada
and at the University of Regina

Information technology experience for
students who take the course, and for
students and faculty involved
in developing the course

Implementation

September 1998

Introductory Web Site

<http://www.math.uregina.ca/MathOnline>

Additional Benefits

First online university-credit course
offered in Saskatchewan

French version under development

Flexibility of the online learning
environment appeals to students: "I hope
this type of course delivery is expanded
as I believe more people will make use
of this kind of format in the future"

Enrollments from across Saskatchewan
and one from British Columbia in
the sessions offered thus far

The introductory math course is the first introductory university-credit course to be offered completely online using an integrated set of tools for designing and implementing interactive courses over the World Wide Web. All materials, including notes, examples and quizzes, are posted at the Math 101 site. Students communicate with each other and the instructor through e-mail and bulletin board facilities also provided on the site.

The course is intended to familiarize students with the basic concepts of arithmetic, number theory, set theory, symbolic logic and finite mathematics. Topics include logic, sets, numeration systems, arithmetic in non-decimal systems, ratios and percent, elementary number theory and modular arithmetic. The course emphasizes critical thinking, problem-solving, and understanding of concepts and their applications.

Math 101 is designed for students preparing to teach Elementary Education. It is also available for students in Arts and Education programs who need a basic understanding of mathematical ideas without taking calculus.

The online format of this course makes it possible for students to participate from anywhere. This improves access for students who cannot attend regular on-campus courses and adds convenience for all students.

A French version of the online Math 101 course is planned for September 2000.

Contact

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