Math 085

Intermediate Algebra & Trigonometry

This course provides the necessary algebraic background for success in 09* level and some of 1** level mathematics or statistics courses at UFV. It serves students who require Pre-Calculus 11 as a prerequisite for subsequent programs or courses. Some students may wish to obtain the necessary grade for entry into a technical or nursing program, while others may wish to prepare for university level Mathematics or Statistics courses.

Prerequisites: One of the following: MATH 084; Foundations of Mathematics and Pre-calculus 10 with at least a B; Principles of Mathematics 11, Applications of Mathematics 11, Foundations of Mathematics 11, or Pre-calculus 11 with at least a C; Foundations of Mathematics 12 or Pre-Calculus 12 with at least a C-; or Upgrading and University Preparation assessment.

Timetabling

Several sections of MATH 085 run each semester on both campuses.

What next?

- MATH 092 (Algebra and Functions), with MATH 085
- MATH 096 Algebra and Trigonometry), with a C+ or better in MATH 085
- MATH 105 (Math for the Elementary School Teacher), with a C or better in MATH 085
- MATH 123 (Everyday Math and Stats), with a C or better in MATH 085
- MATH 124 (Finite Math with Applications in the Information Sciences) , with a C or better in MATH 085
- MATH 140 (Algebra and Functions for Business) , with a C or better in MATH 085
- STAT 104 (Introductory Statistics), with a C or better in MATH 085

More information

Official outlines of mathematics courses:
https://www.ufv.ca/calendar/CourseOutlines/PDFs/MATH/
Short descriptions of other mathematics courses:
https://www.ufv.ca/calendar/current/CourseDescriptions/math.htm

COURSE EXAMPLES

City Tour Revenue

Mona gives a walking tour of Honolulu to one person for $49. To increase her business, she advertised that she would lower the price by $1 per person for each additional person, up to 49 people. How many people on the tour would maximize Mona's revenue and what would this revenue be?

Bridge Expansion

During the summer heat, a 2-mile bridge expands 2 feet in length. If we assume the bulge occurs straight up the middle, how high is the bulge? (The answer may surprise you; in reality, bridges are built with expansion spaces to avoid this problem).