OPEN vhb course
Building Confidence in Mathematics

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online – open – free – flexible – for all

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OPEN VHB COURSE
Building Confidence in Mathematics

This carefully designed online course allows you to develop your confidence in mathematics. If you have fears about the subject, you can do this without having to admit those fears to others. The speed at which you work through a concept is relatively slow. We take our time because this is the way to build confidence in maths. You will also develop a sense that the concepts you are learning are relevant to the world around you, as we use many examples and illustrations from daily life.

In this course you will

- acquire the necessary mathematical foundations to handle subjects such as business mathematics, statistics, business administration, or health economics,
- develop the ability to recognise mathematical relationships and interpret mathematical results,
- consolidate your logical thinking,
- be able to understand mathematical topics independently,
- strengthen confidence in your ability to master mathematics.

You acquire knowledge about

- basic arithmetic laws such as bracket and power rules, calculating and transforming fractions, transforming mathematical terms, calculating with percentages, and calculating with a range of variables,
- linear relationships, linear functions and their graphical representation, as well as being able to solve linear equations,
- non-linear relationships and some basic types of non-linear functions, including their corresponding graphical functions, and solving the corresponding equations,
- number sequences (especially arithmetic and geometric sequences) and partial sums of number sequences and new sequences formed from them, the so-called series,
- first and higher derivatives of a function and their applications, including the search for the optimal points of a graph of a function.

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