

SHORT & CERTIFICATE COURSES

# WITS PLUS

## MATHEMATICS FOR ACCESS

Join us for our Saturday class *Mathematics for Access*, in weekly sessions. This is an academic **one-year short course, consisting of two separate modules**, and earns certificates of competence upon completion of each module.

The course is offered at the University of the Witwatersrand's Braamfontein West Campus in lecture/ tutorial/ seminar format with specialist lecturers in mathematics.

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W [www.wits.ac.za/part-time](http://www.wits.ac.za/part-time)

### OBJECTIVES OF THE COURSE

This course aims to provide a foundational knowledge of mathematics. It aims to develop confidence in using Mathematics to solve problems.

### LEARNING OUTCOMES

Participants will gain an understanding of essential mathematical principles and develop their confidence in mathematical thinking skills and reasoning. They will be able to apply mathematical methods and techniques to computational, business and applied mathematical problems.

### TARGET AUDIENCE

This course will be of value to people who have Core Mathematics or Mathematics Literacy at matric level but need more advanced competency in their daily work. They can do this course for non-degree purposes.

It is also relevant to students who meet the admission requirements for a BCom but have narrowly failed to achieve the required symbol or percentage for Core Mathematics in Matric/Grade12. The Faculty of Commerce Law and Management has to recommend and approve this course of action.

### ADMISSION CRITERIA

English competency and a matriculation certificate with full exemption / university entrance, or equivalent. Applicants must have passed Core Maths at matric level or Maths Literacy with at least a B symbol. Admission will be via the submission of an application form accompanied by your matric results and or academic record (if applicable).

### STRUCTURE OF THE COURSE

Mathematics for Access comprises two semester courses. Lectures take place once a week on a Saturday, usually from 09:00 – 12:00 followed by a tutorial from 12:00 - 13:00. This includes a tutorial session which allows for group interaction and practical application of theories and methodologies. Lectures do not take place during university recesses.

## COURSE CONTENT

It should be noted that Maths for Access is NOT an upgrade of matric core mathematics. It introduces students to higher level mathematical concepts and practices.

The following is covered: The real number system, the nature of proof, algebraic expressions, exponents and logarithms, formulae, equations and inequalities, functions, limits, derivatives and financial maths.

## COMMENCEMENT DATES

Maths for Access A: 9 March 2024

Maths for Access B: 3 August 2024

## WHO ARE THE LECTURERS?

Knowledgeable subject matter experts in the mathematics field.

## ASSESSMENT CRITERIA

Assessment criteria will be via a test, assignment/tutorial and a three-hour examination at the end of every semester.

You have to pass the course with 75% and higher, besides the other requirements, to be allowed to apply for a BCom degree. The Faculty of Commerce Law and Management has to recommend and approve this course of action.

Make sure that you apply before the closing date for BCom applications: 30 September for both part-time and full-time.

## FEES & METHOD OF PAYMENT

R18 100 for both modules (R9 050 per module).

The fees for all courses are the responsibility of the individual attending the course. All fees must be paid prior to registration, each term. Payment can be made by electronic payment or bank deposits. You will then need to bring in your original proof of payment to registration day, dates will be provided in the acceptance letter.

## CANCELLATION OF A COURSE

Wits Plus courses offered over one year:

- Cancellation in the beginning of the year before commencement of lectures will result in an administration fee of 15% of the course fee for Semester 1 regardless of the reason.
- Cancellation in Semester 1 after commencement of the course will result in liability 50% of the course fees regardless of the reason.
- Cancellation in Semester 2 after commencement of classes will result in liability for the full amount of the course fees regardless of the reason.
- Students who do not meet the requirements to continue in the second half of a year course will be refunded all course fees paid in advance for that semester. ICAM and parking disc fees are not refundable.

## VISITORS ACCESS

All short course participants are issued with a Visitors Access Card at a cost of ±R140. Parking disc fees also apply: arrangements need to be made with the parking office. You may park in student parking on the Braamfontein West campus.

## APPLICATIONS

Applications should be accompanied by a brief CV (strictly 3 pages maximum); matric certificate, other academic records of university/tertiary level study record if applicable.

Note: Wits Plus, University of the Witwatersrand, reserves the right to withdraw a course from its programme should registrations not reach viable numbers. In this event a full refund will be made. Refund requests will take a minimum of 30 working days to be processed after all documentation has been received.