

SHORT & CERTIFICATE COURSES

**WITS PLUS**

## INVESTMENT THEORY

Join Wits Plus, Centre for Part-Time Studies and study towards the *Certificate in Investment Theory*.

The programme will be offered over a one-year period, starting in February, at the University of the Witwatersrand, Johannesburg.

The certificate is taught by highly qualified specialist lecturers from the School of Economic and Business Sciences (Faculty of Commerce, Law and Management).

### TARGET MARKET

If you are a wealth manager, financial advisor, financial agent or another type of financial services provider this programme will add to your knowledge base. The course will provide you with essential fundamental theoretical and academic knowledge to complement on the job training. The course will help you comply with the *fit and proper* requirements as outlined in the FAIS Act.

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

### ENTRANCE REQUIREMENTS

Applicants should hold a degree with prior university level 100 knowledge of Economics and should have a competence in Computational Mathematics and Business statistics, level 100 undergraduate courses. Entry will be restricted to individuals working or aspiring to work in the field of Financial Services, who can demonstrate a minimum of three years relevant working experience and the capacity to cope with a university course. Applicants will also need to have earned formal course credits in Economics I and Computational Mathematics and Business Statistics. Entrants would normally be expected to hold a minimum of a NQF level 4 or 5 qualification and will be required to submit a detailed CV.

### STRUCTURE OF COURSE

The course will run over two academic semesters. Each module/half course component will involve between 36 and 48 hours of face-to-face teaching, plus a three-hour revision session and an examination (3 hours per module). Total face-to-face teaching for the Investment Theory short course will be 96 hours and the study commitment will be 300 hours or 30 credits (on the SAQA system), incorporating assignments, reading and research projects.

### OUTCOMES AND COMPETENCIES

- understanding of the South African financial system
- understanding of the functioning of the SA economy at a macro level
- understanding the functioning of financial markets (money market, bond market, equity markets, derivatives)
- understanding of investment and portfolio theory
- the application of theory to investment advice
- ability to undertake investment returns
- the ability to measure investment performance
- the ability to use the tools of technical analysis
- ability to undertake capital budgeting
- ability to make corporate financial decisions

## COMMENCEMENT DATE

February: Tuesdays 17:30 – 19:30

## SYLLABUS

### SEMESTER 1

#### CORPORATE FINANCE II (HALF COURSE)

**Prerequisites:** Computational Mathematics (Half course) and Business Statistics (Half course) and Economics I

Introduction to Finance. Financial ratio analysis. The time value of money discounting, the valuation of fixed income securities and shares. Assets and liability management. Capital budgeting: cash flow forecasts, alternative methods of investment appraisal, project interaction, capital rationing, risk and return, project analysis, the evaluation of forecasts and performance. Corporate financing decision: efficient markets, the dividend decision, capital structure, the cost of capital leasing.

### SEMESTER 2

#### INVESTMENT II (HALF COURSE)

**Prerequisite:** Corporate Finance II

Introduction to investment, Corporate finance. Calculating investment returns, the relationship between risk and reward, investment market dynamics. The 'Money market': T-bills, bankers acceptances, deposits, certificates of deposit, the role of the central bank. Bond market: market overview, gilts, corporate bonds, junk bonds. Equity: market overview, dividend discount model, fundamental analysis, technical analysis.

Derivatives: interest rate futures, equity futures, arbitrage with the spot market, interest rate options, equity options, arbitrage between spot, futures and options, option valuation, option algebra, calculating option exposure, hedging. Introduction to portfolio theories: efficient markets hypotheses, capital asset pricing model, arbitrage pricing theory.

Investment overview: the measurement of investment performance (the role of investment markets in the economy).

## EXAMINATION AND ASSESSMENTS

End of module examinations, plus essays, tests and assignments. A combination of summative and formative assessment will be applied as per standard Wits University structures.

## FEES & METHOD OF PAYMENT

R18 235.

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

## CANCELLATION OF 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.

## CAMPUS 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 Campus West.

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.