

# University of Pretoria Yearbook 2021

## MCom Economics (Coursework) (07250055)

**Department** Economics

**Minimum duration of study** 1 year

**Total credits** 180

**NQF level** 09

### Admission requirements

1. Relevant BComHons degree
2. A cumulative weighted average of at least 65% for the honours degree

### Other programme-specific information

- Any other module on master's level approved by the relevant head of department can constitute an elective.
- Candidates who consider pursuing a doctoral degree are required to complete the MPhil (Economics).
- A minimum number of at least five candidates are required to register before a module is presented.
- The department furthermore reserves the right not to present a module if the particular expertise in that module is not available in the department for that year.
- Each candidate is only allowed to register twice for a particular module. Exam entry in all subjects requires a minimum 40%. In order to continue on the programme, all students must receive exam entry in every module. Students cannot be registered on the programme more than two years.

### Capacity limitations

- The supervision of postgraduate students is a time-consuming process, and, therefore, the Department reserves the right to limit entry into programmes.
- Please consult the Department for the most recent information on enrolment expectations.
- All reasonable measures will be taken to ensure that those students who meet the minimum requirements, are enrolled.
- In the event that departmental capacity cannot accommodate the number of students who meet the minimum requirements, the students will be ranked according to the above averages, and only the top performing students will be admitted to the programme, in accordance with the number of students that the departmental teaching capacity and supervision can accommodate.

### Examinations and pass requirements

The pass mark for both a dissertation and a mini-dissertation is 50%. The provisions regarding pass requirements for dissertations, contained in General Regulation G.12.2, apply mutatis mutandis to mini-dissertations. A pass mark of at least 50% is required in the examination of each module.

## Research information

The research component comprises the writing of a mini-dissertation. The postgraduate programme manager will appoint a supervisor, based on the mutual interests of the candidate and the supervisor. Once a supervisor agrees to work with a candidate, the candidate will continue to work under the guidance of his/her supervisor to complete the research and to develop and finalise a mini-dissertation according to departmental guidelines and regulations.

The mini-dissertation contributes 67% towards the total requirements for the degree.

### **Mini-dissertations, curricula and modules**

1. The degree programme requires that a mini-dissertation must be submitted.
2. Information on modules, credits and syllabi is available on the yearbook.
3. A module in Research Methodology is compulsory in the programme, although it is incorporated into the mini-dissertation mark. The Dean may, on the recommendation of the relevant head of department, waive the prerequisites.
4. The mini-dissertation should be written in consultation with the supervisor, and is to be submitted either by 30 November to graduate in April or May 31 to graduate in September. The mini-dissertation should be submitted to the postgraduate administrator in the department, with the approval of the supervisor. If the supervisor does not approve, the student should approach the postgraduate committee of the department. That committee will make a final recommendation on submission.

### **Article for publication**

There is no expectation that an article be published from the research conducted in the mini-dissertation.

## Curriculum: Final year

### Minimum credits: 180

A minimum of 180 credits are required, 140 from the core modules and 40 from the elective modules.

The MCom (Economics) is designed to prepare students to work as professional economists in, for example, consulting, banking, or the public sector. The program provides rigorous training in economic theory and economic modelling that is required of economists. The program also serves to develop both the technical and research-related skills needed for an economist interested in a PhD, although a student who wants to proceed to a PhD programme, should consider, instead, the MPhil (Economics) first.

### Core modules

#### Microeconomics 812 (EKN 812)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Service modules</b>	Faculty of Natural and Agricultural Sciences
<b>Prerequisites</b>	Only for students in relevant programme
<b>Contact time</b>	1 lecture per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1

#### Module content

The module will first expose students to knowledge related to how individual consumers and firms behave under a very strict set of circumstances. Toward the end of the semester, the module will then begin to examine behaviour under less strict assumptions. The module covers in detail, firm behaviour, consumer behaviour, general equilibrium, behaviour under uncertainty and risk, strategic behaviour, information, game theory and to a lesser extent, the interaction between the government and the individual.

#### Macroeconomics 813 (EKN 813)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Service modules</b>	Faculty of Natural and Agricultural Sciences
<b>Prerequisites</b>	Only for students in relevant programme
<b>Contact time</b>	1 other contact session per week, 3 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1 or Semester 2

### Module content

The basic framework for this module will be infinitely-lived dynamic stochastic and non-stochastic macro models in both discrete and continuous time frames. Overlapping generation models will also be used to deal with certain topics. Topics include:

- The Lucas Critique
- Growth models
- Expectations
- Business cycles
- Basics of a new Keynesian business cycle model
- Overlapping generations models

### Mini-dissertation: Economics 895 (EKN 895)

<b>Module credits</b>	120.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	Only for students in relevant programme
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Year

### Elective modules

#### International trade 804 (EKN 804)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	Only for students in relevant programme
<b>Contact time</b>	1 lecture per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 2

### Module content

Evidence over the last fifty years has shown that trade remains the engine for growth and development across the world and for almost each individual country. This module comprises a thorough analysis of international trade with an emphasis on trade theory, growth and development. It exposes students to the critical issues that policymakers grapple with on a day-to-day basis (WTO issues) and extends the international trade theory to policymaking. Furthermore, an understanding of the circumstances within which international trade policy is made in developing countries with particular reference to South Africa.

#### International finance 805 (EKN 805)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09



<b>Prerequisites</b>	Only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics
<b>Contact time</b>	1 lecture per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1

### Monetary economics and banking 816 (EKN 816)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Service modules</b>	Faculty of Natural and Agricultural Sciences
<b>Prerequisites</b>	Only for students in relevant programme
<b>Contact time</b>	1 lecture per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1 or Semester 2

#### Module content

This module presents an advanced treatment of critical topics in monetary economics and the models economists use to investigate the interactions between real and monetary factors. It provides extensive coverage of general equilibrium (DSGE) models, models of the short-run real effects of monetary policy, and game-theoretic approaches to monetary policy. Among the topics covered are models of time consistency, monetary policy operating procedures, interest rates and monetary policy.

Throughout, this module focuses on the implications of interest rate control for monetary policy. The module is designed for advanced graduate students in monetary economics, economic researchers and economists working in policy institutions and central banks.

The module includes discussions of empirical evidence on the new Keynesian model, inflation forecast targeting models, optimal policies in forward-looking models, stability and the Taylor principle, and open economy new Keynesian models. It explicitly treats policy analysis in new Keynesian models and their underlying DSGE foundations for both a closed economy, a small open economy and a two-country world economy; the discussion includes the derivation of the policy objective function, optimal commitment and discretionary outcome, targeting rules and instrument rules.

### Computable general equilibrium modelling 819 (EKN 819)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	Only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics

**Period of presentation** Semester 1

### Capita selecta economics 821 (EKN 821)

**Module credits** 10.00

**NQF Level** 09

**Prerequisites** Only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics

**Contact time** 1 lecture per week

**Language of tuition** Module is presented in English

**Department** Economics

**Period of presentation** Semester 1

#### Module content

EKN 821 is a capita selecta module in Economics. The content is dependent upon staff make-up and capacity.

### Environmental economics 825 (EKN 825)

**Module credits** 10.00

**NQF Level** 09

**Prerequisites** Only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics

**Language of tuition** Module is presented in English

**Department** Economics

**Period of presentation** Year

### Health economics 864 (EKN 864)

**Module credits** 10.00

**NQF Level** 09

**Prerequisites** Only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics

**Contact time** 1 lecture per week

**Language of tuition** Module is presented in English

**Department** Economics

**Period of presentation** Semester 1

#### Module content

EKN 864 is dedicated to health economics. The course will examine Grossman's model of health capital, markets for health insurance, physician-patient agency problems. We will also examine a number of issues related to access to care, quality of care, financing and health inequality.

## Financial economics 865 (EKN 865)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	Only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics
<b>Contact time</b>	1 lecture per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1

### Module content

EKN 865 is dedicated to financial economics, which includes models of pricing in markets for financial instruments, as well as imperfect information in financial markets, financial contracts, and the relationship between preferences and financial decisions.

## Econometrics 813 (EKT 813)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	Only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics
<b>Contact time</b>	1 lecture and/or practical per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1 or Semester 2

### Module content

EKT 813 is an econometrics module focused on the background statistics (including distribution theory), matrix algebra, calculus and related information that underscores econometrics.

## Econometrics 814 (EKT 814)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	Only for students in relevant programme
<b>Contact time</b>	1 lecture and/or practical per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1 or Semester 2

## Module content

In this module, “panel data” refers to the pooling of observations on a cross-section of countries, households, firms, etc. over a number of time periods. We use panel data techniques for example to control for individual heterogeneity or to study the dynamics of adjustment. Panel data allows for more informative results, more variability, more degrees of freedom and more efficiency. This module focuses on statistical theory and empirical estimation, interpretation and evaluation of economic relationships, within a panel data context. The module covers both techniques applicable to stationary and non-stationary panel data sets, and begins with an introduction to one-way error component models (either including individual-specific or period-specific (time) effects), followed by two-way error component models (including individual-specific and time effects simultaneously). Estimation techniques include fixed effects (LSDV or “Within” estimation) and random effects estimation. Hypothesis testing includes tests for poolability (pooled vs. individual regressions), tests for fixed effects, random effects, and specification (exogeneity of the X-regressors). It also includes various tests for serial correlation and heteroscedasticity and the correction thereof. The section on stationary panel data techniques concludes with a discussion of seemingly unrelated regression (SUR) models. In the non-stationary panel data section we discuss unit root testing in the panel context, estimation of non-stationary panels and tests for co integration.

## Econometrics 815 (EKT 815)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	EKT 813 and only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics
<b>Contact time</b>	2 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1

## Module content

EKT 815 is an econometrics module focused on time-series econometrics, which includes topics, such as stationarity, cointegration, nonlinear modelling, VARs and other topics according to the choice of the lecturer.

## Econometrics 816 (EKT 816)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	EKT 813 and only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics.
<b>Contact time</b>	1 lecture and/or practical per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1 or Semester 2



### Module content

EKT 816 is an econometrics module focused on cross-section econometrics, and, therefore, includes topics such as linear and nonlinear models, randomized controlled trials, instrumentation, matching, regression discontinuity and other topics according to the choice of the lecturer.

### Economic development 880 (EOG 880)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	Only for students in relevant programme
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 1 or Semester 2

### Public economics 880 (OWE 880)

<b>Module credits</b>	10.00
<b>NQF Level</b>	09
<b>Prerequisites</b>	OWE 780 and only for students registered for the following programmes: MCom (Economics), MCom (Econometrics), MPhil (Economics) or PhD Economics
<b>Contact time</b>	1 other contact session per week, 2 discussion classes per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Economics
<b>Period of presentation</b>	Semester 2

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.