

MACROECONOMICS

1. INTRODUCTION

Macroeconomics

This is the branch of economics that attempts to analyze and explain the interrelationships between aggregate (totals) variables such as output, employment, interest rates, money and prices in the economy. These are the key variables that determine economic activities and level of national income in an economy. Macroeconomics therefore analyzes the performance of the economy as a whole.

Macroeconomics deals with the following:

- (i) Total output of goods and services (GNP). GNP is the value of all final goods and services produced by nationals of a country irrespective of where they are producing it.
 - What determines the GNP level?
 - Why is it that GNP grows at a lower rate in some years than in others?
- (ii) It measures GDP. GDP is the total sum of expenditure on *final goods and services* produced in an economy. It includes all consumers' expenditure on goods and services, except for the purchase of new houses which is included in *gross fixed capital formation*.
- (iii) Total employment and unemployment levels
 - What proportion of total population is unemployed?
 - What determines levels of unemployment?
- (iv) General price level
 - Shows cost of purchasing by a typical consumer
 - Estimates inflation and anticipated effects
- (v) Balance of payment problem
- (vi) Exchange rates

RELATIONSHIP BETWEEN MICROECONOMICS AND MACROECONOMICS

Microeconomics

- Deals with the behaviors of individual economic units. These units include consumers, workers, investors, and owners of land, business firms, infant, any individual or entity that plays a role in the function of our economy.
- Microeconomics explains how and why these units make economic decisions. For example, it explains how consumers make purchasing decision and how their choices are affected by changing prices and income
- It also explains how firms decide how many workers to hire and how workers decide where to work and how much work to do.
- Another important concern of microeconomics is how economic units interact to form large units-markets and industries. By studying the behavior and interaction of individual firm and consumers, microeconomics reveals how industries and markets operate and evolve, why they differ from one another, and how they are affected by government policies and global economic conditions.

Macroeconomics

By contrast, macroeconomics, the other major branch of economics, deals with aggregate economic quantities, such as the level and growth rate of national output, interest rates, unemployment and inflation.

Introduction To Macroeconomics Lecture Notes

Hussin A.Rothana



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An Introduction to Mathematics for Economics Akihito Asano,2012-11-08 A concise accessible introduction to maths for economics with lots of practical applications to help students learn in context

Lecture Notes In State And Local Public Finance (Parts I And II) John Yinger,2020-01-06 This book is based on lectures conducted for two classes at the Maxwell School Syracuse University A Public Finance Seminar for PhD students in public administration and State and Local Public Finance for master s students in public administration Topics covered include the role of voters in a federal system the sorting of different households into different communities the determinants of public service costs the property tax and other sources of local and state revenue fiscal aspects of economic development and intergovernmental aid especially for education The notes for the Ph D class also cover several more advanced topics such as the estimation of education production and cost functions the capitalization of school quality into house values and tax competition among jurisdictions The focus in these notes is on the highly decentralized federal system in the United States but many of the principles and much of the behavioral analysis in the class apply to other countries as well These notes draw on Professor Yinger s extensive teaching experience and publication record in state and local public finance They should prove useful to many teachers scholars and students who find topics in state and local public finance that they wish to pursue

Lecture Notes on Economic Growth Xavier Sala-i-Martin,1990 *Lecture Notes on Economic Growth (I)* Xavier Sala-i-Martin,1990 This is a survey of the literature on Economic Growth In the introduction we analyze the main differences between exogenous and endogenous growth models using fixed savings rate analysis We argue that in order to have endogenous growth there must be constant returns to the factors that can be accumulated A graphical tool is then developed to show that changes in the savings rate have different effects on long run growth in the two kinds of models we show that only endogenous growth models are affected by shifts in the savings rate We then explore two versions of the Raasey Cass Koopmans neoclassical model where savings are determined optimally one with exogenous productivity growth and one without

Macro Economics & Financial System of Pakistan [[compiled and Edited By] Abdul Qayyum Vance]. ,2007 *Inflation, Stabilization, And Debt* Manuel Pastor,2019-04-24 This book analyzes the Peruvian and Bolivian macroeconomic experiments It contrasts the logic of orthodox and heterodox policy offers an account of the dynamics of hyperinflation and stabilization explores the explicit and implicit class character and suggests some lessons for future policy

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Macroeconomic Theory Michael Wickens,2011-09-05 Macroeconomic Theory is the most up to date graduate level macroeconomics textbook available today This book truly offers something new by emphasizing the general equilibrium character of macroeconomics to explain effects across the whole economy not just part It is also the perfect resource for economists who need to brush up on the latest developments Michael Wickens lays out the core ideas of modern macroeconomics and its links with finance He presents the simplest general equilibrium

macroeconomic model for a closed economy and then gradually develops a comprehensive model of the open economy Every important topic is covered including growth business cycles fiscal policy taxation and debt finance current account sustainability exchange rate determination and an up to date account of monetary policy through inflation targeting Wickens addresses the interrelationships between macroeconomics and modern finance and shows how they affect stock bond and foreign exchange markets While the mathematics needed for this book is rigorous the author describes fundamental concepts in a way that helps make the book self contained and easy to use Accessible comprehensive and wide ranging

Macroeconomic Theory will become the standard text for students and is ideal for economists particularly those in government central and commercial banking and financial investment The most up to date macroeconomics textbook available today Web based exercises with answers June 2008 Emphasis on general equilibrium macroeconomics addresses the whole economy Latest advances in macroeconomics covered fully and completely Gives up to date account of monetary policy Covers modern finance Extensive mathematical appendix for at a glance easy reference *Mathematical Economics* Kam Yu,2019-11-01 This textbook provides a one semester introduction to mathematical economics for first year graduate and senior undergraduate students Intended to fill the gap between typical liberal arts curriculum and the rigorous mathematical modeling of graduate study in economics this text provides a concise introduction to the mathematics needed for core microeconomics macroeconomics and econometrics courses Chapters 1 through 5 builds students skills in formal proof axiomatic treatment of linear algebra and elementary vector differentiation Chapters 6 and 7 present the basic tools needed for microeconomic analysis Chapter 8 provides a quick introduction to or review of probability theory Chapter 9 introduces dynamic modeling applicable in advanced macroeconomics courses The materials assume prerequisites in undergraduate calculus and linear algebra Each chapter includes in text exercises and a solutions manual making this text ideal for self study Dynamic General Equilibrium Modeling Burkhard Heer,Alfred Maußner,2024-02-21 Contemporary macroeconomics is built upon microeconomic principles with its most recent advance featuring dynamic stochastic general equilibrium models The textbook by Heer and Maußner acquaints readers with the essential computational techniques required to tackle these models and employ them for quantitative analysis This third edition maintains the structure of the second dividing the content into three separate parts dedicated to representative agent models heterogeneous agent models and numerical methods At the same time every chapter has been revised and two entirely new chapters have been added The updated content reflects the latest advances in both numerical methods and their applications in macroeconomics spanning areas like business cycle analysis economic growth theory distributional economics monetary and fiscal policy The two new chapters delve into advanced techniques including higher order perturbation weighted residual methods and solutions to high dimensional nonlinear problems In addition the authors present further insights from macroeconomic theory complemented by practical applications like the Smolyak algorithm Gorman aggregation rare disaster models and dynamic

Laffer curves Lastly the new edition places special emphasis on practical implementation across various programming languages accordingly its accompanying web page offers examples of computer code for languages such as MATLAB GAUSS Fortran Julia and Python

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