
Introduction to DYNAMIC MACROECONOMIC THEORY

**An Overlapping
Generations Approach**

**George T. McCandless Jr.
with Nell Wallace**

Dynamic Macroeconomic Theory Dynamic Macroeconomic Theory

George T. McCandless, Neil Wallace



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Dynamic Macroeconomic Theory Thomas J. Sargent, 2009-06-01 The tasks of macroeconomics are to interpret observations on economic aggregates in terms of the motivations and constraints of economic agents and to predict the consequences of alternative hypothetical ways of administering government economic policy General equilibrium models form a convenient context for analyzing such alternative government policies In the past ten years the strengths of general equilibrium models and the corresponding deficiencies of Keynesian and monetarist models of the 1960s have induced macroeconomists to begin applying general equilibrium models This book describes some general equilibrium models that are dynamic that have been built to help interpret time series of observations of economic aggregates and to predict the consequences of alternative government interventions The first part of the book describes dynamic programming search theory and real dynamic capital pricing models Among the applications are stochastic optimal growth models matching models arbitrage pricing theories and theories of interest rates stock prices and options The remaining parts of the book are devoted to issues in monetary theory currency in utility function models cash in advance models Townsend turnpike models and overlapping generations models are all used to study a set of common issues By putting these models to work on concrete problems in exercises offered throughout the text Sargent provides insights into the strengths and weaknesses of these models of money An appendix on functional analysis shows the unity that underlies the mathematics used in disparate areas of rational expectations economics This book on dynamic equilibrium macroeconomics is suitable for graduate level courses a companion book *Exercises in Dynamic Macroeconomic Theory* provides answers to the exercises and is also available from Harvard University Press *Introduction to Dynamic Macroeconomic Theory* George T. McCandless, Neil Wallace, 1991 Economies are constantly in flux and economists have long sought reliable means of analyzing their dynamic properties This book provides a succinct and accessible exposition of modern dynamic or intertemporal macroeconomics The authors use a microeconomics based general equilibrium framework specifically the overlapping generations model which assumes that in every period there are two generations which overlap This model allows the authors to fully describe economies over time and to employ traditional welfare analysis to judge the effects of various policies By choosing to keep the mathematical level simple and to use the same modeling framework throughout the authors are able to address many subtle economic issues They analyze savings social security systems the determination of interest rates and asset prices for different types of assets Ricardian equivalence business cycles chaos theory investment growth and a variety of monetary phenomena *Introduction to Dynamic Macroeconomic Theory* will become a classic of economic exposition and a standard teaching and reference tool for intertemporal macroeconomics and the overlapping generations model The writing is exceptionally clear Each result is illustrated with analytical derivations graphically and by worked out examples Exercises which are strategically placed are an integral part of the book *Exercises in Dynamic Macroeconomic Theory* Rodolfo E.

Manuelli, Thomas J Sargent, 2009-06-01 This book is a companion volume to *Dynamic Macroeconomic Theory* by Thomas J Sargent It provides scrimmages in dynamic macroeconomic theory precisely the kind of drills that people will need in order to learn the techniques of dynamic programming and its applications to economics By doing these exercises the reader can acquire the ability to put the theory to work in a variety of new situations build technical skill gain experience in fruitful ways of setting up problems and learn to distinguish cases in which problems are well posed from cases in which they are not The basic framework provided by variants of a dynamic general equilibrium model is used to analyze problems in macroeconomics and monetary economics An equilibrium model provides a mapping from parameters of preferences technologies endowments and rules of the game to a probability model for time series The rigor of the logical connections between theory and observations that the mapping provides is an attractive feature of dynamic equilibrium or rational expectations models This book gives repeated and varied practice in constructing and interpreting this mapping Dynamic Macroeconomic Analysis Sumru Altug, Jagjit S. Chadha, Charles Nolan, 2003-11-20 Dynamic stochastic general equilibrium DSGE models have begun to dominate the field of macroeconomic theory and policy making These models describe the evolution of macroeconomic activity as a recursive sequence of outcomes based upon the optimal decision rules of rational households firms and policy makers Whilst posing a micro founded dynamic optimisation problem for agents under uncertainty such models have been shown to be both analytically tractable and sufficiently rich for meaningful policy analysis in a wide class of macroeconomic problems for example monetary and fiscal policy economic cycles and growth and capital flows This volume collects specially commissioned papers from leading researchers which pull together some of the key results in diverse areas This book will promote research using optimising models and inform researchers post graduate students and economists in policy oriented organisations of some of the key findings and policy implications **Stochastic Dynamic Macroeconomics** Gang Gong, Willi Semmler, 2006-01-19 This is a book on stochastic dynamic macroeconomics from a Keynesian perspective It shows that including Keynesian features in intertemporal models considerably contributes to resolve major puzzles arising in the context of the Dynamic General Equilibrium DGE model It also demonstrates that including microeconomic intertemporal behavior of economic agents in macroeconomics is not inconsistent with Keynesian economics *Three Essays in Dynamic Macroeconomic Theory* Nannette Hechler, 1995 *Macroeconomic theory* Mike Wickens, 2008 *Special Issue on Dynamic Macroeconomic Theory* Henrik Jensen, 2008 **Macroeconomic Theory** Michael Wickens, 2012-03-12 The definitive graduate textbook on modern macroeconomics Macroeconomic Theory is the most up to date graduate level macroeconomics textbook available today This revised second edition emphasizes the general equilibrium character of macroeconomics to explain effects across the whole economy while taking into account recent research in the field It is the perfect resource for students and researchers seeking coverage of the most current developments in macroeconomics Michael Wickens lays out the core ideas of modern macroeconomics and its links with

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Böhm,2017-10-30 This textbook offers a unique approach to macroeconomic theory built on microeconomic foundations of monetary macroeconomics within a unified framework of an intertemporal general equilibrium model extended to a sequential and dynamic analysis It investigates the implications of expectations and of stationary fiscal policies on allocations on the quantity of money and on the dynamic evolution of the economy with and without noise The text contrasts and compares the two main competing approaches in macroeconomics within the same intertemporal model of a closed monetary

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Macroeconomic Theory James H. Gapinski, 1982

Dynamic General Equilibrium Modeling Burkhard Heer, Alfred

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Macroeconomic Theory Fred H. Leonard, 1979

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