Essential Mathematics for Economic Analysis (2nd Edition)

By Knut Sydsaeter, Peter Hammond

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The book is by far the best choice one can make for a course on mathematics for economists. It is exemplary in finding the right balance between mathematics and economic examples. Dr Roelof J Stroeker, Erasmus University, Rotterdam. The writing style is superb it manages to allow intuitive understanding whilst not sacrificing mathematical precision and rigour. Dr Steven Cook, University of Wales Swansea Essential Mathematics for Economic Analysis provides an invaluable introduction to mathematical analysis and linear algebra for economists. Its main purpose is to help students acquire the mathematical skills they need in order to read the less technical literature associated with economic problems. The coverage is comprehensive, ranging from elementary algebra to more advanced material, whilst focusing on all the core topics usually taught in undergraduate courses on mathematics for economists.

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Editorial Review

From the Back Cover

Essential Mathematics for Economic Analysis, 2nd Edition

Essential Mathematics for Economic Analysis, 2nd Edition, provides an invaluable introduction to the mathematical tools that undergraduate economists need. The coverage is comprehensive, ranging from elementary algebra to more advanced material, whilst focusing on all the core topics that are usually taught in undergraduate courses on mathematics for economists.

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'The book is by far the best choice one can make for a course on mathematics for economists. It is exemplary in finding the right balance between mathematics and economic examples.'

Dr. Roelof J. Stroeker, Erasmus University, Rotterdam.

'The writing style is superb. I found that the style of writing promotes interest and manages to allow intuitive understanding whilst not sacrificing mathematical precision and rigour.'

Dr. Steven Cook, University of Wales, Swansea

Knut Sydsæter is a Professor of Mathematics in the Economics Department at the University of Oslo, where, since 1965, he has had extensive experience in teaching mathematics for economists. He has also given graduate courses in dynamic optimization at Berkeley and Gothenborg. He has written and co-authored

a number of books, of which several have been translated into many languages. In recent years he has been engaged in an attempt to improve the teaching of mathematics for economists in several African universities.

Peter Hammond is a Professor of Economics at Stanford University, where he moved in 1979 after holding the same position at the University of Essex. He completed a BA in Mathematics and a PhD in Economics at the University of Cambridge. He has been an editor of the *Review of Economic Studies*, of the Econometric Society Monograph Series, and served on the editorial boards of *Social Choice and Welfare* and the *Journal of Public Economic Theory*. He has published more than 90 academic papers in journals and books, mostly on economic theory and mathematical economics.

Also available:

Further Mathematics for Economic Analysis

by Sydsæter, Hammond, Seierstad and Strøm (ISBN 0 273 65576 0)

Further Mathematics for Economic Analysis is a companion volume to *Essential Mathematics for Economic Analysis*. It is intended for advanced undergraduate and graduate economics students whose requirements go beyond the material usually taught in undergraduate mathematics courses for economists. It presents most of the mathematical tools that are required for advanced courses in economic theory — both micro and macro.

About the Author
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Jennifer Handler:

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