

Biographical Sketch Edward M. Landesman

Edward M. Landesman is an Executive Consultant in mathematics, education and technology. He serves as the Education Director of the NASA Research Park Collaborative for Higher Education. Most recently, he has also been consulting with NASA/Ames, the University of California College Prep Initiative, and with Academic Systems Corporation. He is a pioneer in educational technology and his teaching of mathematics at the University of California, Santa Cruz has been honored with numerous awards, both local and national.

He has a B.A., M.A., and Ph.D. in mathematics, all from the University of California, Los Angeles. Until recently, he was Senior Vice President of Instruction and Professor of Mathematics in Residence at Academic Systems Corporation, Mountain View, California. He was instrumental in the creation and development of their award winning Interactive Mathematics series used by several hundred colleges and universities throughout the United States. For his creativity, he was featured in the book The Problem Solving Journey--Your Guide for Making Decisions and Getting Results by Christopher Hoenig, Perseus Publishing, 2000.

In 1966, Dr. Landesman joined the mathematics faculty of the University of California, Santa Cruz. There, he also served as Provost of Crown College and as Associate Academic Vice Chancellor for Undergraduate Education. He is currently Professor Emeritus of Mathematics.

During his tenure at UCSC, he also was a visiting professor at the University of California, Los Angeles, the Courant Institute of Mathematical Sciences, New York University, the University of California, Irvine, and the University of Bremen, West Germany.

Dr. Landesman's teaching of mathematics at the University has been honored with numerous awards, both local and national. In 1996, he was one of three professors in the United States to receive The Mathematical Association of America-Deborah and Franklin Tepper Haimo National Award for Distinguished University or College Teaching. Other awards include The Mathematical Association of America-Northern California Distinguished Teaching Award (1995), The Phi Beta Kappa Northern California Excellence in Teaching Award (1987), and The University of California, Santa Cruz Alumni Distinguished Teaching Award (1984).

Dr. Landesman has been the recipient of many grants from federal and state agencies including the National Science Foundation and the California Academic Partnership Program. He served for ten years as the Principal Investigator and Co-Director of the Monterey Bay Area Mathematics Project, one of seventeen sites of the California Mathematics Project.

His areas of research have included differential equations and mathematics education with an emphasis on the use of technology in the teaching and learning of mathematics. He has been an invited speaker at numerous colleges, universities, and conferences throughout this country and abroad.

He has co-authored (with M.R. Hestenes) a textbook entitled Fundamentals of Linear Algebra for Mathematics, Science, and Engineering (Prentice Hall, 1992).

Among the many articles Dr. Landesman has written, are:

Visual Technology in the Teaching and Learning of Mathematics. Syllabus-New Directions in Education Technology (May 1999). 12(9), pp. 44-46.

Multiple Solutions of Semi-linear Elliptic Problems at Resonance. (with S. Robinson and A. Rumbos). Journal of Nonlinear Analysis (July 1995). 24 (7), pp.1049-1059.

A General Approach to Solvability Conditions for Semilinear Elliptic Boundary Value Problems at Resonance. (with S. Robinson). Journal of Differential and Integral Equations (July 1995). 8 (6), pp.1555-1569.

Effects of Thematically Integrated Mathematics Instruction on Students of Mexican Descent. (with R.W. Henderson). The Journal of Educational Research (May/June 1995). 88 (5), pp. 290-300.

Interactive Videodisc Technology in the Zone of Proximal Development: Academic Motivation and Learning Outcomes in Precalculus. (with R.W. Henderson). Journal of Educational Computing Research (1992). 9 (1), pp. 29-43.

Technology-Based Developmental Instruction in Precalculus. (with R.W. Henderson). Journal of Educational Multimedia and Hypermedia (1992). 1, pp. 65-76.