

CURRICULUM VITAE

Philip Lee Cline

Williams School of Commerce, Economics, and Politics
Washington and Lee University
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Education

Ph.D., Oklahoma State University, 1975, Economics
M.S., Oklahoma State University, 1973, Economics
B.A., Washington and Lee University, 1967, Economics

Fields of Specialization

Applied Statistics
Statistics Education

Professional Experience

1997-present The Lewis Whitaker Adams Professor in Commerce
Washington and Lee University
1991-1997 Head, Department of Management and Professor of Economics
Washington and Lee University
1987-1991 Professor of Management and Economics
Washington and Lee University
1981-1987 Associate Professor of Administration and Economics
Washington and Lee University
1975-1981 Assistant Professor of Administration and Economics
Washington and Lee University
1973-1975 Research Associate
Department of Agricultural Economics
Oklahoma State University
1972-1973 Instructor of Economics
Oklahoma State University
1970-1972 National Defense Education Act Fellow
Oklahoma State University
1967-1970 Associate Systems Engineer and Marketing Representative
Data Processing Division, International Business Machines

Teaching Areas

Business in a Changing World
Elementary Applied Statistics
Quantitative Models for Management and Economics
Applied Research Methods
Personal Finance

Scholarly Work-in-Progress

Nonsampling error in survey sampling; a comparison of survey methods.

Awards, Grants, and Honors

Invited to serve on the Business Specialist Review Committee for the Fulbright Senior Scholar Program, 2001-2004.

Associated Colleges of the South Information Fluency Project award recipient, 2001-2001 (with J. Tombarge and J. Overholtzer).

Trenta (Slovenia) Conference on "The Future of Finance Research: Is There a New Finance?" –invited participant, June 2001.

Fulbright Senior Scholar at the University of the West Indies, St. Augustine, Trinidad and Tobago, 1999-2000.

Andrew Mellon Technology Fellow, 1998-1999.

Named by the Board of Trustees of Washington and Lee University to a chaired professorship: The Lewis Whitaker Adams Professorship in Commerce, 1996.

One of 13 recipients of the Commonwealth of Virginia "Outstanding Faculty Award" in the inaugural year of the award, 1987.

Two National Science Foundation CAUSE grants to develop computer-assisted instruction modules for beginning and intermediate macroeconomics courses, and to develop an interactive linear programming software package.

Two Washington and Lee Class of 1965 Endowment for Excellence in Teaching grants-in-aid to attend a three week American Assembly of Collegiate Schools of Business Information Systems Mini-Sabbatical, and to develop a formal strategy for information technology in the Williams School of Commerce, Economics, and Politics (with Lawrence Lamont and Kipling Pirkle).

Two U.S. Small Business Administration competitively awarded research contracts to study small business utilization of slack resources, and to validate data in the SBA's USEEM database (with Bruce Herrick, Robert Gaston, and Sharon Bell).

Two John M. Glenn grants-in-aid to study the financing of elementary and secondary school divisions in Virginia, and the judicial reception of multiple regression.

United Nations - grant to estimate coefficients in the agricultural sector of the Leontief World Input/Output model (with Yao Chi Lu).

Ford Foundation - grant to study agricultural productivity.

Resources for the Future - grant to study agricultural productivity (with Yao Chi Lu and LeRoy Quance).

Doctoral dissertation funding from the National Economic Analysis Division of the U.S. Department of Agriculture to study agricultural productivity.

National Defense Education Act award recipient, three years.

Presbyterian College - invited to speak to the faculty on the honor system at Washington and Lee University.

Virginia-Maryland American Banking Association School - invited fellow.

Texaco Faculty (national) Forum - invited participant.

Apple Computer Forum: Strategies for the '90s - invited participant.

Beta Gamma Sigma (National Business Honorary)

Omicron Delta Epsilon (National Economics Honorary)

Phi Kappa Phi (National Academic Honorary)

Professional Association Memberships

American Statistical Association

American Economic Association

Academy of Management

Economists Allied for Arms Reduction

Published Monographs

Herrick, Bruce and Philip Cline, Robert Gaston, Sharon Bell. Validation of Data in the Small Business Administration's United States Enterprise and Establishment Microdata (USEEM) File. Prepared for the U.S. Small Business Administration under a competitively awarded research contract. March 1987.

Herrick, Bruce and Philip Cline, Robert Gaston, Sharon Bell. Small Business Utilization of Slack Resources and Service to New and Minor Markets. Prepared for the U.S. Small Business Administration under a competitively awarded research contract. November 1985.

Lu, Yao Chi and Philip Cline, LeRoy Quance. Prospects for Productivity Growth in U.S. Agriculture. Published by the U.S. Department of Agriculture, Bureau of Economics, Statistics, and Cooperative Service as Agricultural Economic Report No. 435. September 1979.

Unpublished Monographs

Cline, Philip and Susan Linz, Tom Tietenberg. External Review of the Economics/Business Department. The Colorado College. Colorado Springs, Colorado, fall 1997.

Cline, Philip and Thomas Imeson. A Long-range Plan for Administrative Computing Services, Washington and Lee University, winter 1989.

Cline, Philip and Paul Kipps, John Moorehouse. External Review of the Department of Business Administration and Economics, Roanoke College. Roanoke, Virginia, spring 1987.

Cline, Philip. A Cost and Revenue Analysis of the Virginia Elementary and Secondary School System. Paper prepared under contract to the Bath County, Virginia, Board of Supervisors, spring 1976.

Published Articles (refereed)

"The Classroom, The Computer, and The Domesday Book," Studies in Medieval and Renaissance Teaching, Vol. 11, No. 3, 1984 (with I. T. Sanders, II).

"Regional Welfare Effects of Publicly Provided Research and Extension," Agricultural Administration, Vol. 9, 1982 (with R. F. Zimmer and F. C. White).

"Efficiency Aspects of the Spatial Allocation of Public sector Agricultural Research and Extension in the United States," Regional Science Perspectives, Vol. 6, 1976 (with Yao Chi Lu).

"Regional Differences in the Rate of Return to Agricultural Research and Extension," Journal of the Western Agricultural Economics Association, summer 1975.

Published Article (not refereed)

"Weighting of Critical Socio-economic and Physical Factors in Natural Resource Management," Journal of the Oklahoma Academy of Science, Vol. 53, 1973 (with S. C. Sheppard and A. M. O'Brien).

Presentations and Panels (not refereed)

"The Washington and Lee University Virtual Teams Project." Presentation to the Commerce School Board of Advisors, Washington and Lee University. Lexington, Virginia, fall 1997.

"Technology in the Classroom." Presentation to the Academic Affairs subcommittee of the Board of Trustees of Washington and Lee University. Lexington, Virginia, spring 1997.

"The Washington and Lee University Honor System." Panel discussion held at The Williams School of Commerce, Economics, and Politics. Lexington, Virginia, fall 1996.

"Bits, Bytes, and Brouhaha: Washington and Lee Computing through the Years." Inaugural lecture, Washington and Lee University. Lexington, Virginia, spring 1996.

"American Assembly of Collegiate Schools of Business - The New Accreditation Standards." Panel discussion held at the National Symposium on Undergraduate Business Education, The College of William and Mary. Williamsburg, Virginia, spring 1993.

"Globalization of the Curriculum." Presentation to the Commerce School Board of Advisors, Washington and Lee University. Lexington, Virginia, spring, 1993.

"Current Concerns of Business Program Administrators." Panel discussion held at the annual meetings of the Southern Management Association. New Orleans, Louisiana, fall 1992.

"Globalization of Business Education." Panel discussion held at the National Symposium on Undergraduate Business Education, Wake Forest University. Winston-Salem, North Carolina, spring 1992.

"Building Relationships with Business." Panel discussion held at the National Symposium on Undergraduate Business Education, Wake Forest University. Winston-Salem, North Carolina, spring 1992.

"Business Ethics." Panel discussion for Sigma Nu fraternity leaders, Washington and Lee University. Lexington, Virginia, spring 1992.

"Mapping the Future of Computers in Business Education." Presentation to the Commerce School Board of Advisors. Washington and Lee University. Lexington, Virginia, fall 1992.

"A Faculty Member's View of the Washington and Lee University Honor System." Presentation to the faculty of Presbyterian College. Clinton, South Carolina, spring 1989.

"Ethics in the Management Information Systems Curriculum." Panel discussion held at the annual meetings of EDUCOM. Dallas, Texas, fall 1988.

Discussant on Asghar Nazemzadeh, et. al., "Impact of Federal Deficits on the Interest Rate and Inflation" presented at the annual meetings of the Southern Economic Association. New Orleans, Louisiana, fall 1986.

"Use of Slack Resources Differentiated by Firm Size." Paper presented (with Bruce Herrick) at the annual meetings of the Eastern Economic Association. Philadelphia, Pennsylvania, spring 1986.

Discussant on Richard D. Marcus, "Transferable Tax Liabilities on Real Estate" presented at the annual meetings of the Eastern Economic Association. Philadelphia, Pennsylvania, spring 1986.

Discussant on Fereidoon Shahrokh, et. al., "Load Forecasting with an Econometric Model of Virginia." presented at the annual meetings of the Virginia Association of Economists. Virginia Beach, Virginia, spring 1986.

"Confronting Medieval Data with the Methodology and Theory of Economics." Invited paper presented (with Tom Spilsbury) at the International Congress of Medieval Studies. Kalamazoo, Michigan, spring 1984.

"The Computer and the Domesday Book; New Technology and an Old Source." Paper presented at the annual conference of the Southeastern Medieval History Association. Charlottesville, Virginia, fall 1983.

"The Theory of Cut-Throat Land Use Development." Paper presented (with S. T. Lowry) at the annual meetings of the Southern Economic Association. Washington, D. C., fall 1980.

Discussant on Alden L. Toevs, "Technical Change in Natural Resource Product Using Manufacturing Industries" presented at the annual meetings of the Southern Economic Association. New Orleans, Louisiana, fall 1977.

"A Cost and Revenue Analysis of the Virginia Elementary and Secondary School System." Paper presented to the Bath County, Virginia, Board of Supervisors. Warm Springs, Virginia, spring 1976.

Significant Post-Doctoral Institutes and Workshops Attended

American Statistical Association continuing education classes: Measurement of Nonsampling Error (2002); Design and Analysis of Sample Surveys (2002); Ethics and Statistics (2000); Innovations in Teaching Statistics (2000); Statistical Thinking (1998); Design of Experiments (1998).

Workshop on Teaching Quantitative Models, Econometrics, and Statistics; Miami (Ohio) University, fall (two days) 1996.

The Business Ethics Institute, Washington and Lee University. Annually, 1988-92 and 1996.

American Assembly of Collegiate Schools of Business Learning Technologies Workshop; Wake Forest University, spring (three days) 1995.

Computer Assisted Curriculum for Teaching Statistics Workshop; University of Virginia, summer (two days) 1994.

Avraham Y. Goldratt Institute: Theory of Constraints Jonah Course; Washington and Lee University, summer (two weeks), 1993. (Attained Jonah certification.)

American Assembly of Collegiate Schools of Business Information Systems Mini-Sabbatical; University of Baltimore, summer (three weeks) 1991.

American Assembly of Collegiate Schools of Business Information Systems Faculty Development Institute; University of Minnesota, St. Paul, summer (six weeks) 1987.

Significant University Service

Academic adviser to an average of 30 students per year
Past faculty adviser to local Sigma Chi fraternity chapter
Past faculty adviser to Student Business Consulting group
Elected by the faculty of the University nine times to serve on seven committees, including the President's Advisory Committee and the Faculty Executive Committee
Appointed over 20 times by the President of the University and the Dean of the Williams School to 13 standing and ad hoc committees

Significant Community Service

United Way volunteer
American Cancer Society volunteer
Youth league soccer coach
Board of Directors of Lexington Golf and Country Club