

COURTNEY BROWN

Curriculum Vitae
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Present Status: Associate Professor

Office Address: Department of Political Science
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EDUCATION

Ph.D. in Political Science (1982), Washington University, St. Louis, Missouri
M.A. in Political Science (1979), San Francisco State University, San Francisco,
California
B.A. in English (1974), Rutgers University, New Brunswick, New Jersey

AWARDS AND HONORS

Recipient of Grant, 2000, University Teaching Fund, Emory University, for development of new course, "Politics In Music."

Teaching Award, 1998-9, Inter-Fraternity Council / Inter-Sorority Council, Emory University

Teaching Awards, 1997 and 1999, Sigma Nu Fraternity, Emory University

Recipient of the 1990 Hewlett Fellowship Award at the Carter Center, African Governance Program, Emory University.

Recognized in the 1989 IBM Supercomputing Competition for paper submitted. (See **Publications** below)

Occupant of the Charles Grove Haines Professorship, Department of Political Science, University of California, Los Angeles, 1984-1986

Emory College Faculty Development Grants, 1987, 1988, 1989, 1990, 1991, 1992

Washington University fellowships, 1977-78, 1979-80

TEACHING AND RESEARCH INTERESTS

(1) Nonlinear dynamical systems and quantitative methods
(2) Electoral behavior, political parties, democratic development, politics and the environment, political musicology, science fiction and politics

PUBLICATIONS

Book Publications I. Applied Nonlinear Dynamical Systems:

Serpents in the Sand: Essays on the Nonlinear Nature of Politics and Human Destiny. 1995. Ann Arbor, Michigan: University of Michigan Press. Reviewed in *American Political Science Review*, March 1997, 91: 165-6; also *American Journal of Sociology*, July 1996, 102: 286-8.

Ballots of Tumult: A Portrait of Volatility in American Voting. 1991. Ann Arbor, Michigan: University of Michigan Press. Reviewed in *American Political Science Review*, September 1992, 86: 794-5; also *The Journal of Politics*, August 1992, 54: 890-3.

Book Publications II. Mathematics:

Graph Algebra: Mathematical Modeling with a Systems Approach. 2008. Thousand Oaks, California: Sage Publications. Series: *Quantitative Applications in the Social Sciences*, Number 151. Reviewed in *Choice Magazine*.

Differential Equations: A Modeling Approach. 2007. Thousand Oaks, California: Sage Publications. Series: *Quantitative Applications in the Social Sciences*, Number 150. Reviewed in *Choice Magazine*.

Chaos and Catastrophe Theories. 1995. Thousand Oaks, California: Sage Publications. Series: *Quantitative Applications in the Social Sciences*, Number 107.

Book Publications III. Culture:

Politics in Music: Music and Political Transformation from Beethoven to Hip-Hop. 2008. Atlanta: Farsight Press.

Book Publications IV. Anomalous Information Transfer:

Remote Viewing: The Science and Theory of Nonphysical Perception. 2006. Atlanta: Farsight Press. (While this book has attracted considerable select scholarly interest, please note that it was written and researched independently from my work at Emory University.)

Article Publications V:

"Politics and the Environment: Nonlinear Instabilities Dominate." *American Political Science Review*, 88:292-303, No. 2, June 1994.

"Nonlinear Transformation in a Landslide: Johnson and Goldwater in 1964," *American Journal of Political Science*, 37:582-609, No. 2, May 1993.

"Mass Dynamics of U.S. Presidential Competitions, 1928-36." *American Political Science Review*, 82: 1153-1181, No.4, December 1988. (An expanded version of this article was recognized in the 1989 IBM Supercomputing Competition and printed in Keith R. Billingsley, Hilton U. Brown III, and Ed Derohanes, eds., *Computer Assisted Modeling on the IBM 3090: The 1989 IBM Contest Prize Papers, Volume 2*, pp. 749-97, Athens, Georgia: Baldwin Press, 1992.)

"On Political Context and Attitude Change," with Michael MacKuen. *American Political Science Review*, 81: 471-490, No.2, June 1987.

"Mobilization and Party Competition within a Volatile Electorate," *American Sociological Review*, 52: 59-72, No. 1, February 1987.

"The Nazi Vote: A National Ecological Study," *American Political Science Review*, 76: 285-302, No. 2, June 1982.

Publications VI. Contributions to Edited Volumes

"Nonlinear Dynamics, Chaos, and Catastrophe Theory." 2008. In *Handbook of Longitudinal Research: Design, Measurement, and Analysis*. Edited by Scott Menard. San Diego, California: Elsevier, Chapter 38, pp. 653-664.

"Catastrophe Theory." 2003. In the *Encyclopedia of Social Science Research Methods*. Edited by Michael Lewis-Beck, Alan Bryman, and Tim Futing Liao. Thousand Oaks, California: Sage.

"Chaos Theory." 2003. In the *Encyclopedia of Social Science Research Methods*. Edited by Michael Lewis-Beck, Alan Bryman, and Tim Futing Liao. Thousand Oaks, California: Sage.

"Nonlinear Dynamics." 2003. In the *Encyclopedia of Social Science Research Methods*. Edited by Michael Lewis-Beck, Alan Bryman, and Tim Futing Liao. Thousand Oaks, California: Sage.

Publications VII. Book Reviews

Book review of *Chaos Theory in the Social Sciences: Foundations and Applications*, by L. Douglas Kiel and Euel Elliot, eds. *American Political Science Review*, June 1997, 91: 436.

Book review of *Conceptual Foundations for Multidisciplinary Thinking*, by Stephen Jay Kline. *American Political Science Review*, June 1996, 90: 407.

Book review of *The Dynamics of Ethnic Competition and Conflict*, by Susan Olzak. *American Political Science Review*, June 1994, 88:483-4.

Publications VIII. Miscellaneous Other Written Work*

"Partisan Volatility and the Genesis of Contemporary Democracies," with Thomas D. Lancaster. Paper presented at the 1985 Annual Meeting of the American Political Science Association, New Orleans.

Group Membership and the Social Environment: Multiple Influences on Political Attitudes and Behaviors. Dissertation (completed 1981). Department of Political Science, Washington University, St. Louis, Missouri.

"San Francisco Charter Commission: Final Report," with Richard DeLeon. Public Document, San Francisco, California, March 1980.

"San Francisco Charter Commission: Base Line Survey," with Richard DeLeon. Public Document, San Francisco, California, January 1980.

* Note: Papers presented at professional meetings that have subsequently been published or are in press (either as journal articles or book chapters) are not listed here.

TEACHING BACKGROUND

Emory University, Department of Political Science. Associate Professor, 1992-present.

Emory University, Department of Political Science. Assistant Professor, 1986-92.

Inter-university Consortium for Political and Social Research Summer Program, University of Michigan, Ann Arbor, Michigan. Instructor, 1984-95.

APSA Summer Institute in Political Science for African American Students (the Ralph Bunche Institute for Minorities). Associated with Emory University, Spelman College, Morehouse College, Georgia State University, and Clark Atlanta University. Instructor, 1991.

University of California at Los Angeles, Department of Political Science. Visiting Assistant Professor, occupying the Charles Grove Haines Professorship, 1984-86.

Washington University, St. Louis, Missouri, Department of Political Science. Visiting Lecturer, January 1984 - May 1984.

Star of the Sea High School, Mombasa, Kenya. Peace Corps Volunteer, A-Level mathematics teacher, 1981-83.

Courses Taught

Undergraduate: Mathematical modeling, statistical modeling, data analysis, college-level calculus and differential equations, politics and music, science fiction and politics, elections and voting, political parties, politics and the environment, developmental democracy, great political

leaders, national politics in the U.S., approaches to comparative inquiry, introduction to politics, college-level English composition.

Graduate: Nonlinear social systems, econometrics and data analysis, research methods, developmental democracy, electoral behavior.

CONSULTANTSHIPS

San Francisco Charter Commission (1980). Conducted two surveys and prepared both final reports, all in collaboration with Professor Richard DeLeon.

Peter Mezey, Candidate for Board of Education, San Francisco (1976). Conducted a political survey and prepared the written analysis.

SERVICE

Departmental Service

Pizza and Politics participant and host (twice), 2007-8.

Departmental Committee on Undergraduate Studies, Department of Political Science, Emory University, 1992-present.

Departmental Committee on Graduate Studies, Department of Political Science, Emory University, 1986-92.

College and University Service

Emory College Information Technology (ECIT) guest speaker for podcasting summer course, 2007.

FAME (Freshmen Advising and Mentoring at Emory) Faculty Leader, 2006-07, 2007-08.

Faculty Representative to the Student Conduct Council, Alcohol Judicial Committee, Emory University, 2004-2006.

Social Sciences Statistics Support Working Group, Emory University (2006 to present).

Arts and Sciences Computing Advisory Committee, Emory University 1995-2000.

Academic Computing Advisory Committee, Emory University, 1992-95.

ICPSR official representative for Emory University, 1988-91.

Emory College Committee on Academic Standards, 1988-90.

Service to Profession

Representative of the Society for Scientific Exploration (SSE) to the American Academy for the Advancement of Science (AAAS), 2008-present.

Program Committee member for the Society for Scientific Exploration (SSE), 2007-2008.

National Public Radio (NPR) hour-long interview regarding political music involved in 2008 U.S. presidential campaign commercials

Selected Recent Meetings Administrative Participation (2006)

Southern Political Science Association: Chair for panel on politics and the environment

Initiated and maintained two Internet lists serving the political science community, 1992-95. The lists are ECOLOGY@EMUVM1.CC.EMORY.EDU and NONLINSS@EMUVM1.CC.EMORY.EDU. The subject of discussions on the ECOLOGY list was politics and the environment. Among other things, academics used the list to exchange a tremendous variety of course related material, including syllabi. In some universities, scholars required all of their undergraduate students to receive material from this list. There were approximately 400 participants on this list. For the NONLINSS list, the subject of discussions was nonlinear social systems. There were approximately 150 participants on this list. The audience was generally academics and graduate students interested in nonlinear methodologies.

Speaker for the American Participant (AmPart) program of the United States Information Agency (March 1992 and Jan. 1988). Countries visited: Lesotho, Zimbabwe, Uganda, Tanzania, and Kenya. Topics covered: (1) the U.S. Presidential elections, (2) foreign policy decision-making in the U.S., (3) political considerations of U.S. investors in Africa, and (4) the role of minorities in U.S. politics.

APSA Ralph Bunche Institute for Minorities Instructor: 1991

Voice of America (1984). Political commentator concerning the election returns for the 1984 presidential campaign.

Selected Manuscript and Proposal Reviewer Activities

American Political Science Review (article and book reviews)

American Sociological Review

American Journal of Political Science

American Politics Research

Journal of Politics

Journal of Theoretical Politics

Journal of Management Studies
Policy Studies Journal
Political Behavior
Political Geography Quarterly
Political Research Quarterly
Polity
PS: Political Science & Politics
Sociological Methods & Research
Western Political Quarterly
Journal of Management Studies
National Science Foundation
Princeton University Press
The University of Michigan Press
Sage Publications (Quantitative Applications in the Social Sciences Series)

Selected Professional Participation

American Political Science Association annual meetings
Midwest Political Science Association annual meetings
Southern Political Science Association annual meetings
National Center for Geographic Information and Analysis Conference: Santa Barbara, California, 1991
Social Science History Association: 1989
Society for Scientific Exploration annual meetings

ASSOCIATIONS

Mathematical
Mathematical Association of America (MAA)
Political Science
American Political Science Association (APSA)
Science
American Association for the Advancement of Science (AAAS)
Society for Scientific Exploration (SSE)
Sociology
American Sociological Association

LANGUAGE

Swahili (fluent)

REFERENCES

Available upon request.