

**CURRICULUM VITAE**  
**(Spring 2010)**  
**Brian Castellani, Ph.D.**

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***Education***

1997	Ph.D. Medical Sociology, Kent State University
1992	M.A. Clinical Psychology, Fuller Graduate School of Psychology
1988	B.A. Psychology, Kent State University

***Faculty Appointments***

2007—present	<i>Board Member</i> , Center for the Study of Complex Systems, Kalamazoo College, Kalamazoo, Michigan.
2006—present	<i>Associate Professor</i> , Department of Sociology, Kent State University, Ashtabula Campus, Ashtabula, Ohio.
2005—present	<i>Adjunct Professor</i> , Department of Psychiatry, Northeastern Ohio Universities College of Medicine (NEOUCOM), Rootstown, Ohio.
2002—2006	<i>Assistant Professor</i> , Department of Sociology, Kent State University, Ashtabula Campus, Ashtabula, Ohio.
1997—2002	<i>Assistant Professor</i> , Behavioral Sciences Department, Northeastern Ohio Universities College of Medicine (NEOUCOM), Rootstown, Ohio.

**PUBLICATIONS**

**Forthcoming**

2010 Castellani, B., Hafferty, F. and Ball, M. “E-Social Science from a Systems Perspective: Applying the SACS Toolkit.” *Journal of Sociocybernetics*, forthcoming April 2010.

**Books**

2009 Castellani, B. and F. Hafferty. *Sociology and Complexity Science: A New Area of Inquiry*. Germany: Springer (280 pages).  
2000 Castellani, B. *Pathological Gambling: The Making of a Medical Problem*. Albany New York: State University of New York Press (Scientific Monograph, 222 pages).

**Peer Reviewed Articles and Chapters**

- 2010 Castellani, B. "A Review of Mind and Society: Special Issue on Social Simulation, Volume 8, Number 2, 2009." *Journal of Artificial Societies and Social Simulation*, <http://jasss.soc.surrey.ac.uk/13/2/reviews/2.html>.
- 2010 Hafferty, F. and B. Castellani. "The Increasing Complexities of Professionalism." *Academic Medicine*, Flexner Centenary Issues, 85(2): 288-301
- 2009 Hafferty, F.W. and Castellani, B. "The Hidden Curriculum: A Theory of Medical Education" In *Handbook of Medical Education*, Caragh Brosnan and Brian S. Tuner (eds.). London: Routledge.
- 2009 Hafferty, F.W. and B. Castellani "A Sociological Framing of Medicine's Modern-Day Professionalism Movement." *Medical Education*, 43(9): 826-828.
- 2009 Hafferty, F.W. and Castellani, B. "The Two Cultures of Professionalism: Sociology and Medicine." In *The Handbook of Health, Illness and Healing: blueprint for the 21<sup>st</sup> Century*, Bernice Pescosolido, Jack Martin, Jane McLeod, and Anne Rogers (ed.). New York: Springer.
- 2007 Hafferty, F. and B. Castellani. "Theories of Social Relations." In Olle Sahler and John Carr's (Editors.) *The Behavioral Sciences and Health Care, 2<sup>nd</sup> Edition*, Cambridge MA: Hogrefe & Huber Publishers.
- 2006 Castellani, B. and F. Hafferty. "The Complexities of Professionalism: A Preliminary Investigation." In Delese Wear and Julie Aultman's (Editors) *Professionalism in Medicine: Critical Perspectives*. New York: Kluwer Academic Publishers.
- 2006 Hafferty, F and B. Castellani. "Medical Sociology." In Clifton Bryant and Dennis Peck's (Editors) *Handbook of 21<sup>st</sup> Century Sociology*. California: Sage Publications .
- 2004 Castellani, J. and B. Castellani. "Data Mining Process and Analysis Strategies for Special Education Technology Decision-Making." In D. Edyburn, K. Higgins, & R. Boone (Editors), *Handbook of Special Education Technology*. Milwaukee, WI: Knowledge by Design, Inc.
- 2003 Castellani, B. J. Castellani, and S. Spray. "Grounded Neural Networking: Modeling Complex Quantitative Data." *Symbolic Interaction*, 26(4): 577-589.
- 2003 Castellani, B. and J. Castellani. "Data Mining: Qualitative Analysis with Health Informatics Data." *Qualitative Health Research*, 13(7): 1005-1018.
- 2003 Hafferty, F. and B. Castellani. "Theories of Social Relations." In Olle Sahler and John Carr's (Editors) *The Behavioral Sciences and Health Care*, Cambridge MA: Hogrefe & Huber Publishers, pp. 109-114.
- 2002 Castellani, B., R. Wedgeworth, J. Buckwalter, B. Taber, G. Bartlett, D. and D. Wear. "Preparing for Today's Managed Health Care System: The Views and Struggles of Clinical Faculty." *Journal of Managed Care Medicine*, 6(2):28-31.
- 2002 Wear D. and B. Castellani. "Medicine and Motherhood: The Experience of Double Consciousness." *Annals of Behavioral Science and Medical Education*, 8(2): 92-96.
- 2001 Castellani, B. "Is Pathological Gambling Really a Problem?—You Bet!" *Psychiatric Times*, 28(20):64-66
- 2000 Castellani, B. and D. Wear. "Physician Views on Practicing Professionalism in the Corporate Age." *Qualitative Health Research*, 10(4): 490-506.
- 2000 Wear, D. and B. Castellani. "(Re)considering Context in Patient-Doctor Relationships." *Annals of Behavioral Science and Medical Education*, 7(1):13-22.
- 2000 Wear, D. and B. Castellani. "Development of Professionalism: Curriculum Matters." *Academic Medicine* 75(6): 602-611.
- 1999 Wear, D. and B. Castellani. "Conflicting Plots and Narrative Dysfunction in Health Care." *Perspectives in Biology and Medicine*, 42(4):544-558.
- 1999 Castellani, B. "Michel Foucault and Symbolic Interactionism: The Making of a New

- Theory of Interaction.” *Studies in Symbolic Interaction*, 22:108-137.
- 1997 Castellani, B., R. Wedgeworth, E. Wootton, and L. Rugle. “A Bi-Directional Theory of Addiction: Examining Coping and the Factors Related to Substance Relapse.” *Addictive Behaviors*, 22(1): 139-144.
- 1996 Castellani, B. Adolescent Gambling, Is It a Problem?: A Review of a Recent Book by Griffiths. *Addiction*, 91(10):1556-1557.
- 1996 Castellani, B., E. Wootton, L. Rugle, R. Wedgeworth, K. Prabucki, and R. Olson. “Homelessness, Negative Affect, and Coping Amongst Veterans with Gambling Problems who Misused Substances.” *Psychiatric Services*, 47(3):298-299.
- 1995 Castellani, B., and L. Rugle. “A Comparison of Pathological Gamblers to Alcoholics and Cocaine Misusers on Impulsivity, Sensation Seeking, and Craving.” *The International Journal of the Addictions*, 30(3), 275-289.
- 1995 Rugle, L., and B. Castellani. “Understanding and Treating Pathological Gambling.” *Treatment Today*, 7(3), 7-9.

### GRANT ACTIVITY

- 2010 (Principal Investigator, PI) The Complexities of Professionalism Scale: Initial Development and Validation. *Ohio Board of Regents Research Incentive Grant*, \$32,000. IN REVIEW.
- 2010 (PI) Field Experience to Establish a Center for Complexity in Health. Professional Development Award, Regional Campuses, Kent State University. AWARDED \$10,000.
- 2009 (PI) The Complexities of Professionalism Scale: Initial Development and Validation. *The EDWARD J. STEMMLER, MD MEDICAL EDUCATION RESEARCH FUND OF THE NATIONAL BOARD OF MEDICAL EXAMINERS*, \$140,000. DENIED.
- 2008 (Consultant) *Residency Program on Alcohol and Drug Addiction for Primary Care Physicians*. Psychiatry Residency Program. Summa Health Care Systems and Department of Psychiatry, Northeastern Ohio Universities College of Medicine. The Substance Abuse and Mental Health Services Administration (SAMSA). DENIED
- 2007 (PI) *Building SOC-Web: A Website for Researching and Teaching about Complexity Science and its Integration with Sociology*. Teaching Development Award, Regional Campuses, Kent State University. AWARDED: \$6,500.
- 2006 (PI) *Support for MATLAB and Neural Net Software Package*. Kent State University, University Research Council, Research/Scholarly Activity Support Request. AWARDED: \$500 + \$500 match by Sociology Department for \$1,000.
- 2006 (PI) *Lottery Legalization: Using the SOM to Study Self-Similarity in Complex Social Systems*. Kent State University, University Research Council, Summer Research Appointment. DENIED.
- 2001 (CO-PI) *Development and Validation of a Physician Values in Practice Scale*. NEOUCOM Research Challenge Grant. Principal Investigator: Paul Hartung, Ph.D. Co-Investigators: Brian Castellani, Ph.D. and Mark Savickas, Ph.D. AWARDED: \$17,000.
- 2000 (PI) *Physicians: Navigating Their Careers and Caring for Patients in Today's Changing Health Care System*. NEOUCOM Research Challenge Grant. AWARDED: \$4,500.

### PRESENTATIONS

#### *Paper Presentations*

Hafferty, F and B. Castellani 2010 “Professionalism and Mayo: An Opportunity to Redefine the

- Future of Medicine,” Department of Medicine Grand Rounds and The S. Brennan Moore Annual Lecture, Mayo Clinic, Rochester, MN, January 25, 2010.
- Hafferty, F., Castellani B., and Antiel 2010 “New Tools for Mapping Medicine’s Modern Day Professionalism Movement,” Faculty of Medicine, McGill University, Montreal, Canada, February 4, 2010.
- Hafferty, F., and B. Castellani 2010. “Decoding the Learning Environment of Medical Education:  
A Hidden Curriculum Perspective on Faculty Development as a Process of Tacit Learning.” Background paper for a conference on *A 2020 Vision of Faculty Education Development Across the Medical Education Continuum*, Baylor College of Medicine, Houston, TX, February 26, 2010.
- Hafferty, F. and B. Castellani 2009 “The Complexities of Professionalism: A Research Agenda,” Presentation in preparation for a special Flexner Centennial Issue of Academic Medicine, Association of American Medical Colleges, Washington, D.C., April 20, 2009
- Castellani, B. Hafferty, F and Ball, M. “The SACS Toolkit: E-Social Science from a Systems Perspective.” Sociocybernetics Conference, Urbino Italy, June 2009.
- Castellani, B. “Pareto, Schelling and Social Mobility: Addressing the U.S. Housing/Financial Crisis.” ICAM Conference, *Center for the Study of Complex Systems*, Department of Physics, *University of Michigan*, Ann Arbor MI, November 2008.
- Hafferty, FW and Castellani, B. “Using Social Network Analysis to Study Medical Education.” *Pritzker School of Medicine*, October 24, 2008.
- Hafferty, FW and Castellani, B. "Professionalism as a Social Movement." *American College of Physicians: Internal Medicine* 2008, Washington, D.C., May 15, 2008.
- Castellani, B. “The Sociology and Complexity Website: An E-learning Tool for Social Scientists.” ICAM Conference, *Center for the Study of Complex Systems*, Department of Physics, *University of Michigan*, Ann Arbor MI, November 2007.
- Hafferty, FW and Castellani, B. “Professionalism and the Hidden Curriculum.” *Brody School of Medicine*, Greenville, NC, January 15, 2007.
- Hafferty, FW and Castellani, B. "The Hidden Curriculum: A Faculty Development Workshop." *Mayo Medical School*, Rochester MN, April 17, 2007.
- Hafferty, F. and B. Castellani. 2007. "Exploring Professionalism: A Workshop for Fourth Year Medical Students." *Northeastern Ohio University College of Medicine*, Ohio.
- Castellani, B. 2005. “The Sociology of Complexity: Tools for 21<sup>st</sup> Century Sociology.” *Society for the Study of Symbolic Interactionism Conference*. Philadelphia, PA.
- Castellani, B. 2003. “Teaching Culture to Medical Students.” *The Felix Padilla Conference on Teaching Diversity in Higher Education*, KSU, Ashtabula.
- Castellani, B., and F. Hafferty 2002. “The New Professionalism in Medicine: What Medical Sociology Has to Offer.” Organizer and Presenter. *The Annual American Sociology Association Meetings*. Chicago: Illinois.
- Hafferty, F., Eckenfelds, E., Castellani, B., and Calderon, J. 2001. The Perils of Becoming an Altruistic Physician: The “Me” Generation Enters Medical School.” *The 30<sup>th</sup> Annual Meeting of the Association for the Behavioral Science and Medical Education*. Cape Cod.
- Castellani, B. and D. Deckert 2000. What Does Culture have to do with Mental Health? *The 29<sup>th</sup> Annual Meeting of the Association for the Behavioral Science and Medical Education*. Santa Fe, New Mexico.
- Castellani, B. J. Varley, and D. Deckert 2000. Isn’t Cultural Sensitivity Just Competent Psychiatry?: Teaching Culture to Psychiatry Residents. *The 29<sup>th</sup> Annual Meeting of the American Association of Directors of Psychiatric Residency Training*. Puerto Rico
- Castellani, B. and S. Lee Spray 1999. Decentralization and the Professional Practice of

- Medicine. *The Annual American Sociology Association Meetings*. Chicago: Illinois.
- Calderon, Jose, Fred Hafferty, Brian Castellani, Kenneth Wolf, Nancy Chin, and Alicia Monroe 1999. AIME: Development of a Template for Auditing the Preparedness of Medical Schools to Conduct Programs in Cultural Diversity. *28th Annual Meeting of the Association for the Behavioral Science and Medical Education*. Savannah, Georgia.
- Castellani, B. and B. Minogue 1999. "Managed Care and Foregoing Treatment." *Annual Bioethics Network of Ohio (BENO) Conference*. Cleveland, Ohio.
- Castellani, B and P. Hartung 1998. Preparing Medical Students for Careers in the Changing Health Care Context. *27th Annual Meeting of the Association for the Behavioral Science and Medical Education*. Jackson Hole, Wyoming.
- Castellani, B. 1998. Pathological Gambling: A Case Study in the Sociology of Knowledge. *The Annual American Sociological Association Meetings*. San Francisco: California.
- Castellani, B. 1998 Pathological Gambling in Historical Context. *The 12th National Conference on Problem Gambling*. Las Vegas: Nevada.
- Castellani, B. 1998. Pathological Gambling, the Making of a Medical Problem. *The 5th Annual Florida Conference on Compulsive Gambling*. Orlando, Florida.
- Castellani, B. 1997. Pathological Gambling, the Birth of a New Medical Object of Investigation. *The 22nd Annual Meeting of the Association for Humanistic Sociology*. Pittsburgh, Pennsylvania.
- Castellani, B. 1997. Discursive Negotiations: A New Theory of Knowledge. *Society for the Study of Symbolic Interactionism Conference*. Toronto, Canada.
- Castellani, B. 1997. "Constructing the Classroom as a Postmodern, Student-Run Government." *The Annual American Sociological Association Meetings*. Toronto, Canada.
- Castellani, B. 1996. "Humanistic Teaching Methods." *The 21st Annual Meeting of the Association for Humanistic Sociology*. Hartford, Connecticut.
- Castellani, B. 1996. "Symbolic Interaction and the Postmodern Terrain." Discussant for four papers by Stanford Lyman, Douglas Kellner, Jonathan Epstein, and Simon Gottschalk. *Society for the Study of Symbolic Interactionism Conference*. New York.
- Castellani, B. 1996. "Are the Rules of Engagement Between Philosophy and the Social Sciences Hostile or Friendly: Comments from a Sociologist of Knowledge." *The 3rd Annual Kent State University May 4th Philosophy Graduate Student Conference*.
- Castellani, B. 1995 "Interpretive Archeology: Knowledge, Power, and Social Practice." *The Association for Humanistic Sociology Conference*. Columbus, Ohio.
- Castellani, B. and F. Falk 1994. "Smoothing Polynomials Using Partial Least Squares Estimates." *The Midwest Sociological Association Conference*. St. Louis, Missouri.
- Castellani, B. and C. Ritter 1994. "Interaction Terms: Using Partial Least Squares Estimates Versus Traditional Regression Techniques." *The Midwest Sociological Association Conference*. St. Louis, Missouri.

### ***Invited Addresses:***

- Invited Address. Greed and the American Dream of Success. *Seven Deadly Sins Series*. Kent State University, Ashtabula Campus, Ashtabula, Ohio. (Spring 2005).
- Invited Keynote Address. Development of Professionalism: Curriculum Matters. *Joint Meeting of the Association for Surgical Education and the Association of Program Directors in Surgery*. Nashville, Kentucky, (Spring 2001).

## **TEACHING**

### **Introductory Courses**

Introduction to Sociology (SOC 12050)

## **Medical Sociology Courses**

Sociology of Health and Health Care (SOC 42563)  
Culture and Psychiatry (Psychiatry Residency Program, NEOUCOM)  
Medical Sociology Lectures (2<sup>nd</sup> year medical students at NEOUCOM)

## **Method Courses**

Sociological Analysis (SOC 22100)  
Researching Society (SOC 32210)  
Medical Sociology Research Skills (ILS 12037)  
Medical Sociology Practicum (ILS 12036)  
Data Analysis (SOC 32220) and Data Analysis Lab (SOC 32221)  
Special Topics: Sociology of Complexity (SOC 42095)  
Undergraduate Individual Investigation (SOC 32096)  
Epidemiology and Health Statistics Lectures (2<sup>nd</sup> year medical students at NEOUCOM)

## **Theory Courses**

Sociological Theories (SOC 42126)

## **Social Psychology Courses**

Individual and Society (SOC 32400)  
Deviant Behavior (SOC 32762)

## **Inequality Courses**

Social Problems (SOC 22778)  
Inequality in Society (SOC 22570)

## **SERVICE ACTIVITIES**

### ***Committee Membership***

#### **Standing Campus Committees:**

Faculty Council, KSU Ashtabula—Chair (2007-present)  
Regional Campus, Faculty Advisory Committee—member (2007-present)  
RTP Committee-Chair (2007-present)  
NTT Reappointment Committee (2007-present)  
Diversity Committee, KSU Ashtabula – Chair (2003-2006)  
KSU Diversity Council – Ashtabula Campus Representative (2003 – 2006)  
Library Committee, KSU Ashtabula Campus – Member (2002 – 2004)

#### **Standing Sociology Department Committees:**

Faculty Advisory Council, Sociology Department – Member (2005 – 2007)

#### **Graduate Thesis Committees:**

Corey Schimpf, Masters Candidate, Sociology. Purdue University 2010  
Thomas D. Parsons, Doctoral Candidate, Clinical Psychology. Fuller Graduate School of Psychology 2002.

#### **Undergraduate Mentoring and Advisory Positions:**

Sociology Advisor, KSU Ashtabula Campus (2003 – present)  
Advisor, Sociology Club, KSU Ashtabula Campus (2003 – present)  
Undergraduate Students mentored and helped get into graduate school:  
1) John Bailey, 2) Carolyn Carvalho, 3) Clarice Wafford, 4) Crystal Bryski,  
5) Danise Mozingo, 6) Jennifer Troy, 7) Joseph Keefe, 8) Liz Driscoll, 9) Norman

Thiel, 10) Allan Ollikainen, 11) Kellie Butler, 12) Corey Schimpf, 13) Matthew Butler, 14) Rachael Tolbert, 15) A. Randy Aguilar, 16) Rebecca Ollikainen, 17) Thomas Stupor; 18) Matthew Butler; 19) Kellie Butler; and 20) Corey Schimpf. The institutions to which these students have been accepted include Purdue University, Case Western Reserve University, Cleveland State, Kent State University, and Ursuline College.

**Conferences and Roundtables Organized:**

Castellani, B., and F. Hafferty 2002. "The New Professionalism in Medicine: What Medical Sociology Has to Offer." Roundtable Organizer and Presenter. *The Annual American Sociology Association Meetings*. Chicago: Illinois.

*Integrating Culture and Complementary Medicine: Challenges to the Biomedical Paradigm*, Association for the Behavioral Science and Medical Education. Santa Fe, NM. October 12-15, 2000

*The Committee for Cultural Understanding, Tolerance and Education Conference*, Association for the Behavioral Science and Medical Education. Rootstown Ohio. May 7-8th, 1999.

**Journal Reviews:**

*Editorial Board*

International Journal of Complexity for Leadership and Management

*Ad hoc reviewer*

Academic Medicine

Medical Education

Addiction

Journal of Vocational Behavior

Psychiatry Research

Qualitative Health Research

Symbolic Interaction