

Date Revised: 4/3/2017

CURRICULUM VITA

**Timothy W. Butler, Associate Professor
School of Business Administration
Wayne State University**

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HOME ADDRESS: 703 Pear Tree Lane
Grosse Pointe Woods, MI 48236
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DEPARTMENT/COLLEGE:

Department of Marketing and Supply Chain Management / College of Business Administration

PRESENT RANK & DATE OF RANK:

Associate Professor, August 1996

WSU APPOINTMENT HISTORY:

Year Appointed/Rank: 1987/Lecturer
1989/Assistant Professor
1996/Associate Professor
2007- 2010 PhD Program Director
Year Awarded Tenure: 1996

DATE & PLACE OF BIRTH:

November 20, 1954 - Tiptonville, Tennessee USA

CITIZENSHIP:

United States

EDUCATION:

Associate: Oxford College of Emory University, Oxford, GA- 1975

Baccalaureate: University of Memphis, Memphis, TN - 1978

Graduate: MBA, University of Memphis, Memphis, TN - 1983

Ph.D., University of South Carolina, Columbia, SC- 1989

PROFESSIONAL SOCIETY MEMBERSHIPS/HONORS

William J. Fulbright Scholar (2015 – 2020)
2014 Sue Garr Innovative Teaching Award
Beta Gamma Sigma Business Honor Society
(WSU Faculty Advisor and Chapter Secretary, 2008 -)
Academic Keys Who's Who in Business Education
Marquis Who's Who in America
Institute for Supply Management

I. TEACHING:

A. Years at Wayne State: (Fall 1987- Present)

B. Courses Taught at Wayne State University:

1. Graduate

GSC 7670 Lean Six Sigma
BA 6025 Operations Management (Traditional and Online)
GSC 7010 Desktop Decision Tools (Traditional and Online)
ISM 7993 TQM in Health Care
BA 6090 Quantitative Analysis (Traditional and Online)
GSC 7650 Strategic Procurement
GSC 7995 Global Supply Chain Study Abroad

2. Undergraduate

ISM 4600 Production / Operations Management
ISM 4400 Statistics
GSC 5650 Strategic Procurement
GSC 5890 Global Supply Chain Management Internship
GSC 4990 Global Supply Chain Mgt Study Abroad

C. Dissertations Directed:

Dr. Elizabeth Moen, 2016 – Committee Member
Dr. Rajendra Dulal, 2016 – Committee Member
Dr. Ahmad Ezzedine, 2006 – Committee Member
Dr. Calvin Holt, 2006 -- Committee Member
Dr. Lisa Eshbach, 2005 – Committee Member

D. Executive Education

Automotive Industry Action Group / WSU Certificate Program, 2014, 2015, 2016

E

. Academic Lectures External to Wayne State

Fulbright Scholar Lectures (May 2016) International University of Logistics and Transport in Wroclaw, Poland.

II. RESEARCH:

A. Journal Articles Published:

Butler, T.W., D.L. Williams, T. Yan, "MMOG/LE: Improving Supply Chain Delivery Performance Through Buyer-Supply Collaboration, **Journal of Transportation Management**, Vol 25 (2), 2015, 57-68.

Basson, M.D., and T.W. Butler, "Evaluation of Operating Room Efficiency in the Veterans Health Administration System using Data Envelopment Analysis", **American Journal of Surgery**, Vol. 192, 2006, pp. 649-656.

Basson, M.D., T.W. Butler, H. Verma, "Predicting Patient Non-Appearance for Surgery as a Scheduling Strategy to Optimize Operating Room Utilization in a Veterans Administration Hospital", **Anesthesiology**, Vol. 104, No. 4, 2006, pp. 826-834.

Butler, T.W. and L.X. Li, "The Utility of Returns to Scale in DEA Programming: An Analysis of Michigan Rural Hospitals", **European Journal of Operational Research**, Vol 161, 2005, pp. 469-477. (A)

L.X. Li and T.W. Butler, "The Influence of Management Actions on Hospital Efficiency", **International Journal of Operations and Quantitative Analysis**, 2005, Vol. 11, No. 1, pp. 15-34.

Meyer, S.M., P. Ward, G.K. Leong, and T.W. Butler, "The Influence of Location, Strategy, and Operations Technology on Hospital Performance", **Journal of Operations Management**, Vol. 20 2002, pp. 63-75. (A+)

Butler, T.W., and Ewald, J., "The Fundamentals of Flexibility", **Hospital Topics: Research and Perspectives in Health Care**, Vol. 78, No. 3, 2000, pp. 11-18.

Butler, T.W., and G.K. Leong, "The Impact of Operations Competitive Priorities on Hospital Performance", **Health Care Management Science**, Vol. 3, No. 2, 2000, pp. 227-235.

Butler, T.W., and W.W. Johnson, "Evaluation of Michigan Prisons using Data Envelopment Analysis", **Criminal Justice Review**, Vol. 22, No. 1, 1997, pp. 1-15 (lead article).

Butler, T.W., G.K. Leong, and L.N. Everett, "The Operations Management Role in Hospital Strategic Planning", **Journal of Operations Management**, Vol. 14, No. 2, 1996, pp. 137-156. (A+)

Aksoy, Y., T.W. Butler, and E.D. Minor, "Comparative Studies in Interactive Multiple Objective Mathematical Programming", **European Journal of Operational Research**, Vol. 89, 1996, pp. 408-422. (A)

Butler, T.W., "Management Science/Operations Research Projects in Health Care: The Administrator's Perspective", **Health Care Management Review**, Vol. 20, No. 1, Winter, 1995, pp. 19-25.

Butler, T.W., "Utilizing Local Area Networks (LAN) for Multiechelon Inventory Systems: A Hospital Pharmacy Example", **Production and Inventory Management Journal**, Vol. 34, No. 2, 1993, pp. 23-27.

Lewis, H.W., and T.W. Butler, "An Interactive Framework for Multi-Person, Multiobjective Decisions", **Decision Sciences**, Vol. 24, No. 1, 1993 pp. 1-22 (lead article). (A+)

Butler, T.W., G.R. Reeves, K.R. Karwan, and J.R. Sweigart, "Assessing the Impact of Patient Care Policies Using Simulation Analysis", **The Journal of the Society for Health Systems**, Vol. 3, No. 3, 1992, pp. 38-53.

Butler, T.W., K.R. Karwan, and J.R. Sweigart, "Multi-Level Strategic Evaluation of Hospital Plans and Decisions" **Journal of the Operational Research Society**, Vol. 43, No. 7, 1992, pp. 665-675.

Butler, T.W., K.R. Karwan, J.R. Sweigart, and G.R. Reeves, "An Integrative, Model-Based Approach to Hospital Layout", **IIE Transactions**, Vol. 24, No. 2, 1992, pp. 144-152.

B. Papers Published in Conference Proceedings:

"The Influence of Supply Chain Management on Business Innovation", 2012 Proceeding Midwest Decision Sciences Institute (with Taylor, J, Williams, D, and Yan, T).

"Supply Chain Strategy for Blood Acquisition and Delivery" 2010 Proceedings of the Midwestern Decision Sciences Institute, Toledo, Ohio, pp. 1041-1045.

"The Influence of Management Decision on Hospital Efficiency" 2001 Proceedings of National DSI, San Francisco (with L. X. Li and G.K. Leong), pp. 607-609.

"Data Envelopment Analysis in Health Care: Past, Present, and Future Opportunities" 2000 Proceedings of National DSI, Orlando (with M. Brunet), pp.857-859.

"Relationships Between Clinical Technologies and Hospital Business Performance", 1999 Proceedings of National DSI, New Orleans (with G.K. Leong), pp. 1328-1330.

"Using Hospital Location and Strategy to Determine Performance", 1996 Proceedings of National DSI, Orlando (with S.M. Meyer, P.T. Ward, and G.K. Leong)

"Hospital Operations Strategy: Competitive Capabilities and Performance", 1996 Proceedings of National DSI, Orlando (with G.K. Leong).

"The Effect of Structure and Infrastructure on Performance in Hospitals", Proceedings of the 1995 National Decision Sciences Institute, Boston (with L.X. Li and G.K. Leong)

"Algorithm for Selecting Benchmark Targets: A Study of the Aerospace Industry in 1991", Quality Concepts 93 World Class Manufacturing Warren, MI, October, 1993, (with B. Price).

"Behavioral Issues in Comparing Interactive Multiple Objective Mathematical Programming Procedures" 1993 Proceedings of the Decision Sciences Institute, Washington DC, (with Y. Aksoy and E.D. Minor).

"An Interactive Decision Framework for the Multiple Decision Maker Multiple Objective Decision Problem: An Evaluation" Proceedings of the National Decision Sciences Institute, San Francisco, November, 1992, (with H.S. Lewis).

"An Operations and Marketing Orientation for Hospital Strategy", Proceedings of the National Decision Sciences Institute, San Francisco, November, 1992, (with G.K. Leong).

"Computational Issues in Comparing Multiple Objective Mathematical Programming Procedures", Proceedings of the National Decision Sciences Institute, San Francisco, November, 1992, (with Y. Aksoy and E.D. Minor).

"The Multiple Decision Maker Multiple Objective Decision Problem", Proceedings of the Decision Sciences Institute National Meeting, Miami, November, 1991, (with H.S. Lewis).

"A Simulation Model to Evaluate Nursing Service Interaction", Proceedings of the Decision Sciences Institute National Meeting, Las Vegas, November, 1988 (with G. Knight, G.R. Reeves, K.R. Karwan, J.R. Sweigart).

"Location Justification for Robotics in a Multistage Job Shop", Proceedings of The Institute of Management Science Southeast Regional Meeting, Myrtle Beach, October, 1987, (with L.D. Rosen).

"A Lot Size Model for a Group Technology Production System that Allows Shortages and Backorders", Proceedings of the Decision Sciences Institute National Meeting, Honolulu, November, 1986.

"Multiobjective Decision Making in Group Decision Environment", Proceedings of the Decision Sciences Institute Southeast Regional Meeting, Orlando, February, 1986, (with G.R. Reeves).

"A Multiobjective Programming Application to Presidential Election Campaigns: Developing an Efficient 'Super Tuesday' Campaign Tour", Proceedings of the Decision Sciences Institute Southeast Regional Meeting, New Orleans, February, 1985.

C. Abstracts Published:

"Supplier Development in the Automotive Supply Chain" 2014 National Meeting of the Decision Sciences Institute, Tampa FL (with Williams, D, Yan T, Taylor J).

“Engaging Industry and Students Through Case Competitions” 2013 National Meeting of the Decision Sciences Institute, Baltimore, MD (with Taylor, Prud’homme).

“Principles of Business Innovation within the Supply Chain”, 2013 National Meeting of the Decision Sciences Institute, San Francisco CA (with Taylor, Williams, Yan).

“Returns to Scale Tendencies of Inefficient Decision Units: A Managerial Analysis of Returns to Scale Projections”, 2008 National Meeting of the Decision Sciences Institute, Baltimore MD (with M. Basson).

“Efficiency and Returns to Scale Analysis of Surgical Suites” 2006 National Informs – Pittsburgh, (with M. Basson and R. Pradhu) pg. 224.

“Evaluations of Operating Room Efficiency in Veterans Administration Hospitals using Data Envelopment Analysis” Scientific Session, Association of VA Surgeons, Cincinnati, May, 2006, (with M. Basson)

“Predicting Patient Non-Appearance for Surgery as a Scheduling Strategy to Optimize Operating Room (OR) Utilization”, Moderated Poster Session, Association of VA Surgeons, Cincinnati, May, 2006, (with M. Basson and H. Verma).

“Forecasting Outpatient Surgery No-Shows”, presented at 2005 National Informs, San Francisco, CA (with M. Basson and H. Verma) pg. 62.

“Survey of Senior Citizen Technology Utilization”, presented at 2004 National Informs, Denver, CO (with A. DePetro and J. Tan).

“E-Health Promotion Programming for Underserved Population”, presented at The XIII ACME International Conference on Pacific Rim Management, 2003 Annual Meeting, Seattle, (with J. Tan).

“The Utility of Returns to Scale in DEA Programming: An Analysis of Michigan Hospitals”, presented at 2002 National Informs, San Jose (with L.X. Li).

“The Influence of Technology in Health Care Management”, presented at the 1998 National Informs, Seattle (with G.K. Leong).

“Flexibility Initiatives for Hospital Competitiveness”, presented at 1997 National Informs, Dallas (with G.K. Leong).

"Flexibility in Health Care Management", panel session at 1995 National Informs, New Orleans (with J. Heineke, C.P. McLaughlin, and C.C. Pegels)

"Competitive Priorities in Health Care", presented at 1995 National Informs, New Orleans (with G.K. Leong).

"An Empirical Analysis of Hospital Operations Strategic Planning", proceedings of the 1994 National Meeting of the Decision Sciences Institute, (with G.K. Leong).

"Operations Strategy and Performance in Hospitals", Addendum to Bulletin for 1994 National ORSA/TIMS Conference, Detroit, (with G.K. Leong).

"A Review of Comparative Studies in Interactive Multiple Objective Mathematical Programming Procedures", Bulletin of the International TIMS XXXII,

Anchorage Alaska, June, 1994, (with Y. Aksoy and E.D. Minor).

"Multi-Level Strategic Evaluation of Hospital Plans and Decisions", **International Abstracts in Operations Research**, Vol. 44, No. 5, pg. 642, October, 1993, (with K.R. Karwan and J.R. Sweigart).

"Empirical Analysis of Interactive MCDM Tools: A Common Problem Set", Bulletin of TIMS/ORSA, Chicago, May, 1993, (with Y. Aksoy).

"A Simulation Model to Evaluate Hospital Pharmacy Inventory Management", Bulletin of TIMS/ORSA, Nashville, May, 1991, (with L.K. Shoup).

"Computerized Facility Layout Planning Considering Spatial Allocations and Related Costs", proceedings of National DSI, San Diego, November, 1990.

"A Model-Based Approach to Linking Capacity Requirements and Layout Considerations in Hospitals", Bulletin of National TIMS/ORSA, Philadelphia, October, 1990, (with K.R. Karwan and J.R. Sweigart).

"Integrating Operations Research Models and Decision Maker Preferences to Complement Hospital Facility Layout and Patient Assignment Policies" **Dissertation Abstracts International**, University Microfilms International: Ann Arbor, Vol. 60, No. 6, Dec. 1989, pg. 1723A.

"An Interactive Approach to Hospital Inpatient Planning", Bulletin of National TIMS/ORSA Conference, New York City, October, 1989, (with G. R. Reeves, K.R. Karwan, and J.R. Sweigart).

"An Integer Programming Approach for Hospital Facility Planning", Bulletin of National ORSA/ TIMS Conference, Washington D.C., April, 1988, (with G.R. Reeves, K.R. Karwan, and J.R. Sweigart).

D. Other Presentations:

"Automotive Supply Chain Excellence" presented at URC & BLM Supply Chain and Logistics Symposium, Lansing, MI March 2013.

2012, "Manufacturing Employer Information/Resource Forum", Hosted by Michigan Manufacturing Technology Center, Detroit, April 4, 2012, with Gary Blanchard, Carolyn Gawlik, Robert Sherer, John King, and Rogelio Landin.

2006, "Evaluations of Operating Room Efficiency in Veterans Administration Hospitals using Data Envelopment Analysis" M. Basson, T. W. Butler, Scientific Session, Association of VA Surgeons, Cincinnati.

2006, "Predicting Patient Non-Appearance for Surgery as a Scheduling Strategy to Optimize Operating Room (OR) Utilization", M. Basson, T.W. Butler, H. Verma, Moderated Posted Session, Association of VA Surgeons, Cincinnati.

2001, “Distance Learning for Physicians Executive MBA Program”, B. Price, T. Butler, I. Javaid, Teaching and Learning with New Technologies, Wayne State University Adamany Library.

E. Journal Articles under Review:

“University and Industry Partnership Utilizing Case Competition” (with J. Taylor) under review at Journal of Transportation Management.

III. SERVICE

A. Committee Assignments:

Wayne State University Committees:

Pivotal Moments Capital Campaign Committee (2015 -)
General Education Review Committee (2013 -)
University Liaison Committee on Student Retention (2007 - 2009)
Recreation and Fitness Center Advisory Board (2003-2004)
Teaching, Learning & Technology Roundtable (2003-2005)
Academic Senate (1996- 1999).
Centers and Institutes Review Panel (1999-2001)
Curriculum and Instruction Committee (1996-99)
Scholarship and Fellowships Review Panel (1993-97).
Educational Development Program Proposal Review Panel (1997).

School of Business Administration Committees:

Chair Review Committee (2015 – 2016)
PhD Program Director (2007 -- 2010).
Faculty Advisor and Chapter Secretary- Beta Gamma Sigma, 2008 -
PhD Program Development Committee – Chair (2006-2007).
Marketing and Supply Chain Management Chair Search Committee (2009)
Supply Chain Management Curriculum Committee (2007-2009)
School of Business Faculty Senate (1990-1992; 2000; 2004-2006).
Chair- Faculty Senate (2004-06).
Information Systems and Manufacturing Department Review Committee (2004).
Promotion and Tenure Committee (1997-1998; 1999-2000, 2001-2002).
Professional Development Education Task Force (1996- 97).
B A 708 Curriculum Committee (1997).
Resources Committee-Chairman (1990-1992).
Resources Committee (1989-1990).
Undergraduate Educational Policy Committee (1996-97).
Nominations and Elections Committee (1988-93)
Nominations and Elections Committee-Chairman (1996-97).
Research Committee (1988-89, 1994-95, 1995-96, 2000-2001, 2001-2002).
Teaching Committee (1999-2001, 2001-2003).
Community Relations Committee (1992-94; 1996-97).
MIS Curriculum Committee (1987-1988).

Department of Marketing & Supply Chain Management/Business/ISM/FBE Committees:

ISM Chair Search Committee (1999-00).
ISM Promotion and Tenure Committee (1999-2002)
ISM Salary Committee (1999-02).
FBE Chair Search Committee (1997-98).
FBE 7010 Curriculum Committee (1988-1995).
FBE 7010 Curriculum Coordinator (1993-1995).
FBE 3300,4400,6090 Curriculum Committee (1988-present).
Promotion and Tenure Committee (1996-98).
Salary Committee (1992-1993, 1996-98).
FBE External Advisory Committee Task Force (1996-97).
Recruiting Committee (1987-1993).

B. Positions Held in Professional Organizations:

Editorial Board for **Health Care Management Science** (2005-).
Ad Hoc Editorial Committee **Decision Sciences** (2006 -).
Editorial Board for **International Journal of Integrated Supply Management** (2003 - 2006)
Council: INFORMS Health Care Applications Technical Section (1997-99;2000-03)
President: SE Michigan Chapter of Informs (1991- 1992) (1992-1993).
Secretary/Treasurer: SE Michigan Chapter of Informs (1994-1996).
Administration Chair: 1994 TIMS/ORSA Joint National Meeting- Detroit (1991-1994).

C. Other Professionally Related Service

External Evaluation for Promotion and Tenure: University of Michigan, Dearborn, 2016.
External Evaluation for Promotion and Tenure: University of Richmond, 2010.
Review Service Enterprise Engineering NSF Grant Proposals, 2008
External Evaluation for Promotion and Tenure: Oakland University, 2005
External Evaluation for Promotion and Tenure: University of Massachusetts, Boston, 2006.
Referee for **Mathematical and Computer Modeling** 2005
Referee for **The International Journal of Production Research**, 1991, 1994, 1995, 1996 (2), 1997(2),1998, 2000, 2002(2), 2003.
Referee for **Management Science**, 2003.
Referee for **Health Care Management Science**, 1998(2), 2000, 2001, 2003, 2004(2), 2005(2), 2006 (2), 2007, 2008 (2), 2009, 2010, 2011, 2012, 2013, 2014, 2015,2016, 2017
Referee for **Journal of Operations Management**, 1994, 1995, 1998, 2000.
Referee for **International Journal of Integrated Supply Management**, 2002, 2004
Referee for **European Journal of Operational Research**, 1998, 2004
Referee for **The Prison Journal**, 2001.
Referee for **Journal of Multi-Criteria Decision Making**, 1994

Referee for **Socio-Economic Planning Sciences**, 1994.
Referee for **Production and Operations Management**, 1990.
Referee for **The International Journal of Education and Computing**,
Special Issue on Computer Applications in Business Schools, 1989.
Referee for **The Michigan Academician**, 1997.
Judge for INFORMS **Pierskalla Prize Best Health Care Research Paper**, 2000, 2001.
Judge for INFORMS **Seth Bonder Scholarship in Health Care**, 2004, 2005.
Refereed submitted papers for 1989, 1990, 1992, 1993, 1994, 1996, 1997
National DSI meeting.
W.S.U. Graduate Examiner 1996, 1999
Discussant at 2001 Midwest DSI.
Track Chair for 2001 Midwest DSI.
Referee for 1995 International DSI.
Cluster Chair for 1996 National Informs, Washington, DC.
Panel Session Chair for 1995 National Informs.
Session Chair 1992, 1994, 1996 National DSI.
Discussant at 1992, 1993, 1994 National DSI.
Session Chair 1988, 1989, 1993, 1994, 1995, 2002 National Informs.
Session Chair 1985 Southeast TIMS.
Discussant at 1984 and 1985 Southeast TIMS.
Refereed submitted papers for 1986 Southeast DSI.

Interviews and quotes regarding SE Michigan Purchasing Managers Index Analysis:

Interview on Michigan Radio Statewide Network – 1/4/10.
Interview on Craig Fahle Show (WDET-Detroit)– 1/5/10.
Quoted Oakland Press 1/5/10.
Quoted Oakland Press 3/8/10.
Quoted Crain’s Detroit Business 3/8/10.
Quoted Christian Science Monitor 3/25/10.
CSM Quote utilized in websites of:
 MSN Money 4/2/10
 WAAY-TV Huntsville, AL 3/26/10
 WBBH-TV Fort Meyers FL 3/26/10
 KGUN-TV Tucson AZ 3/26/10
 WLNS-TV Lansing MI 3/30/10
 WOIT-TV Des Moines IA 3/30/10
 WRCB-TV Chattanooga TN 3/30/10
 WFFF-TV Burlington VT 4/14/10
Quoted Oakland Press 5/7/10
Interviewed by Chris Holman for Michigan Business Beat – radio program
7/13/10
Quoted Detroit Free Press 7/19/10
Interviewed on Craig Fahle Show (WDET-Detroit) 7/19/10.
Oakland Press 1/7/2011
MTechNews.com 3/2/2011
Oakland Press 3/4/2011
MTechNews 5/2/2011

Detroit Free Press 5/3/2011
Crain's Detroit Business 11/2/2011
Crain's Detroit Business 1/5/2012
Oakland Press 3/12/2012
Fox 2 Detroit News 3/4/2013
Interviewed on Detroit Today (WDET-Detroit)
Quote Daily Tribune (Macomb County) – 3/13/12
Interview Detroit Today (WDET- Radio) 1/13/16

D. Other Service

Faculty Liaison – WSU men and women's track and cross country (2014 -)
Faculty Liaison – WSU Varsity Men's Tennis Team (2009 - 2013)
Reader for Visually Impaired – Detroit Radio Information Service (2006 -)

E. Consulting

Automotive Industry Action Group -- Materials Management Operating Guidelines
Assessment 2013 – 2014
Automotive Industry Action Group – International Training Assessment 2014
.

B. Fellowships/Grants/Special Awards:

2016 – Fulbright Specialist – Poland, Germany
2012 Fall Sabbatical
2010 School of Business Summer Research Grant
2003 School of Business Summer Research Grant
2002 School of Business Summer Research Grant
2001 Individual Career Development Grant
1999 School of Business Teaching Grant
1998 Fall Sabbatical
1997 WSU Small Research Grant
Contract with Greenfield Coalition, 1996, "Manufacturing Processes and Planning",
WSU Principal Investigator, \$20,000.
1995 School of Business Summer Research Grant
1993 WSU Small Research Grant
1993 School of Business Summer Research Grant
1992 School of Business Summer Research Grant
1991 School of Business Summer Research Grant