

UNIVERSITY OF MASSACHUSETTS LOWELL

**Comprehensive Professional Vitae**

Personnel Form #6

Name: **Thomas W. Sloan**  
Department: Operations and Information Systems (OIS)  
College: Manning School of Business  
Rank: Associate Professor  
Field: Operations Management (OM)  
Date: September 5, 2014

**A. EDUCATION AND ACADEMIC QUALIFICATIONS**

1. Education

- *Ph.D.*, Management Science, Haas School of Business, University of California, Berkeley, December 1998.
- *M.S.*, Operations Research, Department of Industrial Engineering and Operations Research, University of California, Berkeley, May 1994.
- *B.B.A.*, Operations Management, College of Business Administration, University of Texas at Austin, May 1989.

2. Academic Experience

- *Associate Professor*, Department of Operations and Information Systems, University of Massachusetts Lowell, **September 2011–present**.\*
- *Assistant Professor*, Department of Operations and Information Systems, University of Massachusetts Lowell, **September 2004–August 2011**.
- *Assistant Professor*, Department of Management, University of Miami, Coral Gables, FL, August 1998–June 2004.
- *Instructor*, Department of Management, University of Miami, Coral Gables, FL, August 1997–August 1998.
- *Instructor*, Department of Management and Operations, Golden Gate University, San Francisco, CA, January 1997–August 1997.
- *Graduate Student Instructor*, Department of Management Science, University of California, Berkeley, CA, September 1992–May 1995.

3. Non-Academic Professional Experience

- *Head Graduate Student Instructor*, Haas School of Business, University of California, Berkeley, September 1994–May 1996.  
Organized and conducted training workshops, assisted in evaluation of 45–60 Graduate Student Instructors.
- *Production Supervisor*, Frito-Lay, Inc., Rosenberg, TX, June 1989–August 1991.  
Supervised and directed activities of 12–25 hourly employees. Assisted in hiring, evaluating staff performance, and directing various projects throughout the production facility.

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\* Dates in bold face indicate work undertaken or published since joining the University of Massachusetts Lowell.

## B. PROFESSIONAL ACTIVITIES

### 1. Professional Association Participation

#### a. Conference Committee Positions

- Served as Publications Chair for *INFORMS* 2005 national meeting, **November 13–16, 2005**, San Francisco, CA. Arranged for UMass Lowell to serve as an academic sponsor, bringing international exposure to the university and its commitment to sustainability (see “University Sponsors” on the main conference web site — [meetings2.informs.org/NO2005/](http://meetings2.informs.org/NO2005/)).
- Served as Web/Publicity Chair for 2001 *INFORMS* Combined Doctoral, Teaching Effectiveness, and Industry Colloquia, November 2–3, Miami Beach, FL. Developed web site, collected biographical information and presentations from speakers, and organized electronic and printed materials for colloquia participants.

#### b. Professional Organization Memberships

- Institute for Operations Research and the Management Sciences (*INFORMS*), **1995–present**.
- Manufacturing and Service Operations Management Society (*MSOM*), **1999–present**.
- Production and Operations Management Society (*POMS*), **1996–present**.
- Decision Sciences Institute (*DSI*), **1996–present**.
- APICS — The Organization for Operations Management (*APICS*), **1989–present**.

#### c. Presentations at Academic Conferences (presenter)

- “Does Lecture Capture Technology Enhance Student Performance? Evidence from a Business Course” (with D. Lewis) at *DSI* Conference in Baltimore, MD, **November 18, 2013**.
- “Balancing Economic, Environmental, and Safety Factors in Cleaning Solvent Choices using a Multi-criteria Decision Model” (with J. Sarkis) at the *DSI* Conference in Baltimore, MD, **November 16, 2013**.
- “How to Balance Cost, Environment, and Safety in Cleaning Solvent Choices: A MCDM Approach” (with J. Sarkis) at the *INFORMS* Conference in Minneapolis, MN, **October 9, 2013**.
- “Lecture Capture Technology and Student Performance in an Operations Management Course” (with D. Lewis) at *INFORMS* Conference in Minneapolis, MN, **October 9, 2013**.
- “A Multi-criteria Decision Model to Balance Economy, Environment, and Safety in Cleaning Solvent Choices” (with J. Sarkis) at the *POMS* Conference in Denver, CO, **May 5, 2013**.
- “Keeping It Green and Making It Clean: Balancing Economic, Environmental, and Safety Criteria in Cleaning Solvent Choices” (with J. Sarkis) at the *DSI* Conference in Boston, MA, **November 21, 2011**.

- “Act Locally, Compete Globally: A Comparison of Two On-line Business Process Simulations” (with D. Lewis) at *DSI* Conference in Boston, MA, **November 21, 2011**.
- “Green Solutions: Cleaning Solvent Bath-life Optimization for Economic and Environmental Criteria” (with J. Sarkis) at the *INFORMS* Northeast Regional Conference in Amherst, MA, **May 7, 2011**.
- “Vertical Integration: Results from a Cross-Course Student Collaboration” (with D. Lewis) at the *INFORMS* Conference in Austin, TX, **November 10, 2010**.
- “Sustainable and Maintainable: An Equipment Maintenance Model with Environmental and Economic Inputs” (with J. Sarkis) at the *INFORMS* Conference in Austin, TX, **November 10, 2010**.
- “Keeping It Green: Balancing the Environmental and Financial Impacts of Equipment Maintenance Practices” (with J. Sarkis) at the *POMS* Conference in Vancouver, BC, **May 8, 2010**.
- “Clean and Green: Balancing Economic and Environmental Interests in Equipment Maintenance Decisions” (with J. Sarkis) at the *INFORMS* Conference in San Diego, CA, **October 11, 2009**.
- “True Green: Aligning Economic and Environmental Concerns in Equipment Replacement Decisions under Technological Change” at the *POMS* Conference in Orlando, FL, **May 3, 2009**.
- “Simultaneous Production and Maintenance Scheduling Using In-Line Equipment Condition and Yield Information” (by invitation) at the *INFORMS* Conference in Washington, DC, **October 12, 2008**.
- “Green Renewal: The Role of Technology and Sustainability in Equipment Replacement Decisions” (extended version) at the *INFORMS* Conference in Washington, DC, **October 12, 2008**.
- “Production and Maintenance Policies under Deteriorating Process Conditions” (with B. Kazaz) at the *POMS* Conference in La Jolla, CA, **May 10, 2008**.
- “Greening the Machine: Equipment Maintenance and Replacement Policies to Improve Environmental Performance” at the *POMS* Conference in La Jolla, CA, **May 9, 2008**.
- “Measuring Sustainability across the Supply Chain: Development of a Sustainability Index” at the Portland State University International Conference on Sustainability in the Supply Chain in Portland, OR, **November 2, 2007**.
- “The Supply Chain Sustainability Index: Measuring the Economic, Environmental, and Social Performance of Supply Chains” at the *POMS* Conference in Dallas, TX, **May 4, 2007**.
- “Sustainable Supply Chains: The Impact of Supply Uncertainty on Green Manufacturing” at the *INFORMS* Conference in Pittsburgh, PA, **November 8, 2006**.
- “Sustainable Operations? An Analysis of Cost-Safety Trade-offs in Medical Device Reuse,” *POMS* Conference, Boston, MA, **April 30, 2006**.

- “Green O.R.: Examining Component Reuse Policies for the Medical Instruments Industry,” *INFORMS* Conference, San Francisco, CA, **November 14, 2005**.
  - “Greening Operations: Component Reuse Policies for Remanufacturing in the Medical Instruments Industry,” *POMS* Conference, Chicago, IL, **April 29, 2005**.
  - “The Impact of Yield-Based Dispatching in Reentrant Flowlines: Results of a Simulation Study,” *DSI* Conference, Boston, MA, **November 23, 2004**.
  - “Production Policies for Multi-Product Systems with Deteriorating Process Condition and Variable Yield,” *INFORMS* Conference, Atlanta, GA, October 2003.
  - “Yield-Based Dispatching in a Multi-Product, Multi-Stage Manufacturing Systems,” *MSOM* Conference, University of Southern California, Los Angeles, CA, June 2003.
  - “Optimal Inspection, Maintenance, and Production Schedules for a Multi-stage, Reentrant Flowline with Variable Yield,” *INFORMS* Conference, San Jose, CA, November 2002.
  - “Dynamic, Yield-Based Dispatching in a Multiple-Product Reentrant Flowline,” *MSOM* Conference, Cornell University, Ithaca, NY, June 2002.
  - “Simultaneous Determination of Production and Maintenance Schedules Using In-Line Equipment Condition and Yield Information,” *POMS* Conference, Orlando, FL, March 2001 (see also section C.2 – Conference Proceedings).
  - “Improving Yield by Using In-Line Equipment Condition Information: A Semi-Markov Decision Process Model,” *MSOM* Conference, University of Michigan, Ann Arbor, MI, June 2000 (see also section C.2 – Conference Proceedings).
  - “Using In-Line Equipment Condition and Yield Information for Maintenance Scheduling and Dispatching in a Multiple-Product, Multiple-Machine Production System,” *INFORMS* Conference, Cincinnati, OH, May 1999.
  - “Combined Production and Maintenance Scheduling for a Multiple-Product, Multiple-Machine Production System,” *INFORMS* Conference, San Diego, CA, May 1997.
  - “Effects of Combined Production and Maintenance Scheduling on Meeting Customer Due Dates,” (with J.G. Shanthikumar) *INFORMS* Conference, Atlanta, GA, November 1996.
  - “Combined Production and Maintenance Scheduling for a Multiple-Product, Single-Machine Production System,” (with J.G. Shanthikumar) *INFORMS* Conference, Washington, DC, May 1996.
- d. Presentations by Co-authors at Academic Conferences
- “Lecture Capture Technology: Does It Help in Student Performance?” at the Southwest *DSI* Conference in New Orleans, LA, **March 2, 2012** (presented by D. Lewis).
  - “Creating and Delivering Formal Presentations in a Distance Learning Classroom” at the Southeast *DSI* Conference in Savannah, GA, **February 23, 2011** (presented by D. Lewis).

- “Collaborating Across a Two Course Sequence: Do Students Remember Anything?” at the Western *DSI* Conference in Lake Tahoe, NV, **April 7, 2010** (presented by D. Lewis).
- “The Use of New Technologies in Distance Education” at the 22<sup>nd</sup> Annual CSU-POM Conference in San Marcos, CA, **February 20, 2010** (presented remotely by D. Lewis, T.W. Sloan, and T. Shea using Wimba).
- “Production and Maintenance Policies under Deteriorating Process Conditions” at the *MSOM* Conference in Cambridge, MA, **June 30, 2009** (presented by B. Kazaz).
- “The Effectiveness of an OM Simulation: One School’s Experience” at the *DSI* Conference in Baltimore, MD, **November 23, 2008** (presented by D. Lewis).
- “Pay to Play: A Report on the Use of a Web-based, Pay-for-use Operations Management Simulation” at the Northeast *DSI* Conference in Brooklyn, NY, **March 28, 2008** (presented by D. Lewis).

## 2. Professional Honors and Awards

- Received School of Business Administration Summer Research Awards (University of Miami): 1998, 2000, 2001, 2002, and 2003.
- Received James W. McLamore Summer Research Award (University of Miami), 1999.
- Participated in *INFORMS* Doctoral Student Colloquium, 1995.
- Received University of California tuition fellowship, 1992–1995.
- Received Bernard Osher Tuition Fellowship, 1991.

## 3. Non-Teaching Activities

### a. Reviewer for Academic Journals

- *Asia-Pacific Journal of Operational Research* (2007).
- *Computers and Industrial Engineering* (2009).
- *Decision Sciences Journal of Innovative Education* (2014).
- *Ecological Economics* (2007).
- *Energies* (2011).
- *European Journal of Operational Research* (2003, 2009, 2011, 2012, 2013, 2014).
- *Flexible Services and Manufacturing* (2008).
- *Greener Management International* (2008).
- *Health Care Management Science* (2006, 2007, 2008, 2009, 2010, 2012).
- *IEEE Transactions on Engineering Management* (2010).
- *IEEE Transactions on Semiconductor Manufacturing* (1997, 1998, 1999, 2000, 2008).
- *IIE Transactions* (2001).
- *International Journal of Manufacturing and Technology Management* (2003).
- *International Journal of Production Economics* (2011).
- *INFORMS Transactions on Education* (2004).
- *Journal of Business and Management* (2010).

- *Journal of Cleaner Production* (2011, 2012, 2013).
  - *Naval Research Logistics* (2004, 2006, 2008).
  - *Operations Research* (2010).
  - *Production and Operations Management* (2004, 2009).
  - *Production Planning and Control* (2007).
  - *Supply Chain Management: An International Journal* (2009).
- b. Reviewer for other Academic Works
- *2008 DSI Conference Proceedings* (2008).
  - Markov Decision Processes section in *Wiley Encyclopedia of OR/MS* (2009).
- c. Workshop and Seminar Speaker/Presenter
- Yakovleva, N., Sarkis, J., and Sloan, T.W. "Sustainable Benchmarking of Supply Chains: The Case of the Food Industry," poster session at *UMass Lowell Faculty Research Symposium, October 6, 2011*.
  - Sloan, T.W. "Green Renewal: Incorporating Environmental Factors in Equipment Replacement Decisions under Technological Change," poster session at *UMass Lowell Faculty Research Symposium, October 26, 2010*.
  - "Green Renewal: The Role of Technology and Sustainability in Equipment Replacement Decisions," poster session at the International Closed Loop Supply Chain Workshop in Atlanta, GA, **October 10, 2008**.
  - Sloan, T.W. "Going Green: Sustainability and the Future of Operations Management," presented by invitation at the 2006 Northeast Supply Chain Conference in Marlborough, MA on **October 3, 2006** (see also section E.1 — Community Activities Related to Professional Field).
  - Sloan, T.W. "Computer Chips, Catheters, and Compost: Overview of Research Agenda," presented at the College of Management Research Seminar, **November 9, 2007**.
  - Sloan, T.W. "Sustainable Operations? Examining Safety-cost Trade-offs in Medical Device Reuse," poster session at *UML Research: Creating the Future of the Commonwealth*, an on-campus research symposium, **April 2, 2008**.

## C. RESEARCH AND SCHOLARSHIP

### 1. Grants and Contracts

- *Principal Investigator*, "Using Lecture Capture Technology: Do Students Use it and Does it Improve Student Performance?" UMass Lowell Echo360 Lighthouse Project Grant, **July 2011–May 2012**, \$2,500 (see also section D.2 — Other Instructional Activity).
- *Principal Investigator*, "Using a Web-based Computer Simulation to Enhance Learning Outcomes in Operations Management," UMass Lowell Teaching and Learning Grant, **June 2007–May 2008**, \$2,308 (see also section D.2 — Other Instructional Activity).

- *Investigator*, “Creating a Sustainable Project Dashboard,” U.S. Environmental Protection Agency Grant SU833-540, **August 2007–June 2008**, \$8,212 (see also section E.3 – Other Service to the University).

## 2. Academic and Professional Publications

### a. Publications in Refereed Journals

- **Sloan, T.W.**, and Lewis, D. (2014) “Lecture Capture Technology and Student Performance in an Operations Management Course,” *Decision Sciences Journal of Innovative Education*, in press.

I contributed to this paper by writing the literature review, analyzing data, editing the discussion of results, and composing the conclusion.

- Kazaz, B. and **Sloan, T.W.** (2013) “The Impact of Process Deterioration on Production and Maintenance Policies,” *European Journal of Operational Research*, 227(1): 88–100.

Both authors contributed equally to this project, including model development and writing.

- Lewis, D., and **Sloan, T.W.** (2012) “Using Video Capture Technology to Enhance Student Performance,” *Business Education Innovation Journal*, 4(2): 73–79.

I contributed to this paper by helping develop the research design, analyzing data, presenting numerical results, and extensively editing drafts of the manuscript.

- Yakovleva, N., Sarkis, J., and **Sloan, T.W.** (2012) “Sustainable Benchmarking of Supply Chains: The Case of the Food Industry,” *International Journal of Production Research*, 50(5): 1297–1317.

Based on data collected previously, all authors contributed to the development and refinement of the benchmarking methodology. I wrote the literature review, explained the main results, and performed sensitivity analyses. I also played the lead role in two major revisions of the paper.

- **Sloan, T.W.** and Lewis, D. (2011) “Vertical Integration: Results from a Cross-Course Student Collaboration,” *Journal of Education for Business*, 86(6): 339–345.

I contributed to this paper by writing the literature review, analyzing data, editing the discussion of results, and composing the conclusion.

- **Sloan, T.W.** (2011) “Green Renewal: Incorporating Environmental Factors in Equipment Replacement Decisions under Technological Change,” *Journal of Cleaner Production*, 19(2-3): 173–186.

- **Sloan, T.W.**, Shea, T., and Lewis, D. (2010) “Use of New Technologies in Distance Education: The Case of Operations Management,” *California Journal of Operations Management*, 8(1): 21–30.

All three authors contributed equally to the research and writing of this article.

- **Sloan, T.W. (2010)** “Measuring the Sustainability of Global Supply Chains: Current Practices and Future Directions,” *Journal of Global Business Management*, 6(1): 92–107.
- **Sloan, T.W. (2010)** “First, Do No Harm? A Framework for Evaluating New vs. Reprocessed Medical Devices,” *Journal of the Operational Research Society*, 61(2): 191–201.
- **Sloan, T.W. (2008)** “Simultaneous Determination of Production and Maintenance Schedules Using In-Line Equipment Condition and Yield Information,” *Naval Research Logistics*, 55(2): 116–129.
- **Kazaz, B. and Sloan, T.W. (2008)** “Production Policies under Deteriorating Process Conditions,” *IIE Transactions*, 40(3): 187–205.  
Both authors contributed equally to the research and writing of this article.
- **Sloan, T.W. (2007)** “Safety-Cost Trade-offs in Medical Device Reuse: A Markov Decision Process Model,” *Health Care Management Science*, 10(1): 81–93.
- **Sloan, T.W. (2004)** “A Periodic Review Production and Maintenance Model with Random Demand, Deteriorating Equipment, and Binomial Yield,” *Journal of the Operational Research Society*, 55(6): 647–656.
- **Sloan, T.W. (2003)** “Shop-Floor Scheduling of Semiconductor Wafer Fabs: Exploring the Influence of Technology, Market, and Performance Objectives,” *IEEE Transactions on Semiconductor Manufacturing*, 16(2): 281–289.
- **Sloan, T.W. and Shanthikumar, J.G. (2002)** “Using In-Line Equipment Condition and Yield Information for Maintenance Scheduling and Dispatching in Semiconductor Wafer Fabs,” *IIE Transactions*, 34(2): 191–209.  
This paper is based on my doctoral dissertation, and the co-author was my primary advisor. I developed the simulation model, performed all experiments, and wrote the paper. He provided guidance with the analytical model results.
- **Sloan, T.W. and Shanthikumar, J.G. (2000)** “Combined Production and Maintenance Scheduling for a Multiple-Product, Single-Machine Production System,” *Production and Operations Management*, 9(4): 379–399.  
This paper is based on my doctoral dissertation, and the co-author was my primary advisor. He helped formulate the problem and provided guidance with the analytical details. I performed most of the analytical work, all of the numerical analysis, and wrote the paper.
- **Nickerson, J.A. and Sloan, T.W. (1999)** “Data Reduction Techniques and Hypothesis Testing for Analysis of Benchmarking Data,” *International Journal of Production Research*, 37(8): 1717–1741.  
Both authors contributed equally to the research and writing of this article.



a. Book Chapters

- Yakovleva, N., Sarkis, J., and **Sloan, T.W.** (2010) "Sustainability Indicators for the Food Supply Chain," invited book chapter in *Environmental Assessment and Management in the Food Industry*, edited by U. Sonesson, J. Berlin, and F. Ziegler (Woodhead Publishers, Cambridge, UK), ISBN 9781845695521.

This project is based on data collected previously. All authors contributed equally to the development of the model. In addition, I reviewed related literature, wrote the section of the chapter describing the application of the methodology, and performed sensitivity analyses.

b. Publications in Refereed Conference Proceedings

- Lewis, D. and **Sloan, T.W.** (2012) "Lecture Capture Technology: Does It Help in Student Performance?" *Proceedings of 2012 Southwest DSI Conference* (see also section B.1 – Presentations).
- **Sloan, T.W.** and Lewis, D. (2010) "Collaborating Across a Two Course Sequence: Do Students Remember Anything?" *Proceedings of the 2010 Western DSI Conference* (see also section B.1 – Presentations).

Both authors contributed equally to the research and writing of this article. This work is based on the results of a collaborative assignment between two courses.

- **Sloan, T.W.** and Lewis, D. (2008) "Pay to Play: A Report on the Use of a Web-based, Pay-for-use Operations Management Simulation," *Proceedings of the 2008 Northeast DSI Conference* (see also section B.1 – Presentations).

My contribution to this work included most of the literature review and the explication of results. D. Lewis collected the data and wrote the introduction and conclusion sections.

c. Publications in other Conference Proceedings

- **Sloan, T.W.** "Simultaneous Determination of Production and Maintenance Schedules Using In-Line Equipment Condition and Yield Information," *Proceedings of the Twelfth Annual Conference of the Production and Operations Management Society, POMS-2001* (see also section B.1 – Presentations).
- **Sloan, T.W.** "Improving Yield by Using In-Line Equipment Condition Information: A Semi-Markov Decision Process Model," *Proceedings of the 2000 MSOM Conference* (see also section B.1 – Presentations).

d. Technical Reports.

- **Sloan, T.W.** "Cycle Time Reduction," in *The Competitive Semiconductor Manufacturing Survey: Third Report on Results of the Main Phase*, edited by R.C. Leachman, Competitive Semiconductor Manufacturing Program Report CSM-31, University of California, Berkeley, 1996.
- **Sloan, T.W.** "Cycle Time Reduction," in *The Competitive Semiconductor Manufacturing Survey: Second Report on Results of the Main Phase*, edited by R.C.

Leachman, Competitive Semiconductor Manufacturing Program Report CSM-08, University of California, Berkeley, 1994.

## 2. Other Research or Creative Activities

### a. Papers under Review/Revision at Refereed Journals

- **Sloan, T.W.** "Yield-based Production and Maintenance Scheduling of Multi-product, Multi-stage Manufacturing Systems," asked to revise and resubmit to *Production Planning and Control*, January **2011**.

### b. Papers under Development

- **Sloan, T.W.** and Sarkis, J. "Clean and Green: Balancing Economic and Environmental Interests in Equipment Maintenance Decisions."

This paper applies a model that I had previously developed to a new area. I have advanced the project by reviewing the extant literature, formulating a basic model, and reaching out to the Toxics Use Reduction Institute (TURI) for data. A presentation based on this work was given at the DSI National Conference in Boston, MA, November 21, 2011. Further revisions are in progress based on feedback from the presentation.

- **Sloan, T.W.** "True Green: Aligning Economic and Environmental Concerns in Equipment Replacement Decisions."

## D. INSTRUCTION RELATED ACTIVITY

### 1. Teaching

- Taught 63.671 Operations Management (graduate): **Spring 2014**.
- Taught 63.371 Operations Management (undergraduate): **Fall 2004–Spring 2007** and **Spring 2010–Spring 2012**.
- Taught 63.402 Global Operations and Supply Chain Management (undergraduate): **Spring 2011, Spring 2012, Spring 2013, and Spring 2014**.
- Taught 63.210 Operations Analysis Techniques (undergraduate): **Spring 2007–Spring 2008, Spring 2009–Fall 2009, and Fall 2012–Spring 2013**.
- Developed and taught on-line version of 63.210 Operations Analysis Techniques (undergraduate): **Fall 2012, Spring 2013, Fall 2013, Spring 2014**.
- Developed content for 63.501 Operations Fundamentals (graduate) on-line version offered in cooperation with Abitus Japan, Inc. Materials include more than 20 hours of lecture capture, lecture slides, and example problems: **Summer 2011–Spring 2012**.
- Summary of teaching evaluations for last seven years at UMass Lowell reported in table below. (Evaluation data for previous years or for teaching at other institutions are available upon request.)

## 2. Thesis Advising and Internship Supervision

- Primary Advisor of Honors Thesis (60.499-301): “An Analysis of the Potential Financial Benefits of Corporate Social Responsibility,” by Kimberly Lucia, **Spring 2011**.
- Served as faculty supervisor for five Supply Chain and Operations Management Internships (63.490): **Summer 2012, Fall 2012 (3), Fall 2013 (2), Summer 2014**.

### Summary of Teaching Evaluation Scores at UMass Lowell for Last Five Years

Term	Course	Number of Students	Overall Rating <sup>†</sup>
Fall 2007	63.210-201: Operations Analysis	30	4.63
	63.210-204: Operations Analysis	33	4.65
Spring 2008	63.210-204: Operations Analysis	33	4.71
	63.210-206/306: Operations Analysis <sup>‡</sup>	31	4.95
Spring 2009	63.210-204: Operations Analysis	32	4.66
	63.210-206/306: Operations Analysis <sup>‡</sup>	33	5.00
	63.210-207: Operations Analysis	17	4.83
Fall 2009	63.210-201: Operations Analysis	39	4.41
	63.210-203: Operations Analysis	40	4.77
Spring 2010	63.371-203: Operations Management	43	**
	63.371-204: Operations Management	40	4.93
	63.371-205/305: Operations Management <sup>‡</sup>	29	4.94
Fall 2010	63.210-204: Operations Management	29	4.95
	63.210-205: Operations Management	20	4.72
Spring 2011	63.371-204/304: Operations Management <sup>‡</sup>	37	4.96
	63.402-201: Global Ops. and Supply Chain Mgmt.	8	4.25
Fall 2011	63.210-206: Operations Management	35	4.96
	63.210-207: Operations Management	35	4.89
Spring 2012	63.371-301: Operations Management <sup>‡</sup>	17	4.88
	63.402-201: Global Ops. and Supply Chain Mgmt.	31	4.76
Fall 2012	63.210-203: Operations Analysis	38	4.89
	63.210-206: Operations Analysis	38	4.83
	63.210-031: Operations Analysis (on-line)	18	4.89
Spring 2013	63.210-202: Operations Analysis	41	4.94
	63.210-204: Operations Analysis	43	4.89
	63.402-201: Global Ops. and Supply Chain Mgmt.	36	4.73
	63.210-031: Operations Analysis (on-line)	20	4.63
Fall 2013	63.210-031: Operations Analysis (on-line)	38	4.44
Spring 2014	63.671-201: Operations Management	34	4.88
	63.402-201: Global Ops. and Supply Chain Mgmt.	32	4.41
	63.210-031: Operations Analysis (on-line)	27	4.30

<sup>†</sup> Prior to Fall 2012, this number is based on the average score of response to item: “Overall this professor did a good job.” Scale: 1-Strongly Disagree, 2-Disagree, 3-Neutral, 4-Agree, 5-Strongly Agree. Beginning in Fall 2012, the item has changed to “Overall Teaching Effectiveness.” For on-line courses, the number is based on the average of all “Quality of Instruction” items.

<sup>‡</sup> Sections labeled 304, 305, and 306 indicate Honors sections within a regular section. Section 301 was an Honors section.

\*\* Evaluation summary form for 63.371-203 was not returned to the instructor.

### 3. Other Activity and Accomplishments Related to the Instructional Function

- Received UMass Lowell Operations and Information Systems Department *Teaching Excellence Award*, **2012–13**.
- Participated in *The Art and Craft of Discussion Leadership, Part II* at the Harvard Business School. Faculty development workshop covered selection and use of case studies. **June 8–9, 2012**.
- Participated in *Global Operations and Supply Chain Management Workshop* at the Moore School of Business, University of South Carolina. Faculty development workshop covered course development, case studies, best practices, and developments in key international markets. **June 12–17, 2011**.
- Received \$2,500 UMass Lowell Echo360 Lighthouse Project **2011-12** Grant (with D. Lewis) to study the effectiveness of Echo360 lecture capture technology in Operations Management courses (see also section C.1 – Grants and Contracts).
- Received UMass Lowell Student Government Association sponsored *Exceeding Excellence Teaching Award*, **2009**.
- Received \$2,345 UMass Lowell **2008–10** Teaching and Learning Grant (with D. Lewis) to develop a joint project between undergraduate Operations Analysis and Operations Management courses (see also section C.1 – Grants and Contracts).
- Received \$2,308 UMass Lowell **2007–8** Teaching and Learning Grant (with D. Lewis) to use a web-based simulation to teach operations management concepts and assess the impact of this experiential learning tool on educational outcomes (see also section C.1 – Grants and Contracts).
- Received UMass Lowell Department of Management *Teaching Excellence Award*, **2007–8, 2004–5**.
- Developed and continue to maintain and use course web sites to post announcements, handouts, and other course-related information (<http://faculty.uml.edu/tsloan/63.371/index-ok.htm> and/or <http://faculty.uml.edu/tsloan/63.210/index.htm>), **Fall 2004 – Spring 2009**.
- Received Outstanding Graduate Student Instructor Award (University of California Berkeley), 1993.

## E. SERVICE ACTIVITIES

### 1. Community Activities Related to Professional Field (see also section B – Professional Activities)

- Member of North Shore chapter of APICS (practitioner-oriented professional organization for operations managers), **2004–present**.
  - Attended monthly meetings.
  - Presented (by invitation) “Going Green: Sustainability and the Future of Operations Management” (brief version) at North Shore APICS meeting on **April 11, 2006**.

- Served as moderator (by invitation) of panel discussion on “Careers in Operations and Supply Chain Management” at North Shore APICS meeting on **February 10, 2009**.
  - Presented (by invitation) “Going Green: Sustainability and the Future of Operations Management” (expanded version) at the 2006 Northeast Supply Chain Conference in Marlborough, MA on **October 3, 2006** (see also section B.3 — Non-Teaching Activities).
2. Committee Activities
- University: Serve on NEASC Standard 8 Subcommittee. Part of the University’s NEASC re-accreditation process. Our subcommittee is responsible for documenting performance and developing goals with respect to physical and technological resources. **January 2012–September 2013**.
  - University: Serve on Climate Action Plan Academic Subcommittee. Part of the University’s Climate Action Plan (CAP) initiative. Our subcommittee is responsible for documenting and promoting research and teaching efforts related to climate change. **April 2012–present**.
  - University: Served on Sustainability Team, **September 2005–June 2007**.
    - Attended monthly meetings, with rotating responsibility for note taking, time keeping, and leading.
    - Assisted in preparation and execution of Campus Conversation Dinner on Sustainability, May 3, 2006.
    - Assisted in preparation of faculty survey administered as part of Campus Transformation Project in June 2006.
    - Developed Production and Economics section of campus sustainability web site ([www.uml.edu/stage/sustainability](http://www.uml.edu/stage/sustainability)), including collecting, composing, and editing content, Fall 2006–Spring 2007.
    - Attended Transformation Project summary meeting with Provost Wooding and Chancellor Meehan on June 1, 2007.
  - School: Serve on Graduate Programs Committee, **Fall 2012–present**. Oversee current and new graduate programs within the Manning School of Business.
  - School: Serve on Honors Committee, **Spring 2011–present**. Charged with developing and promoting honors courses within the Manning School of Business.
  - School: Served on Undergraduate Programs and Standards Committee, **Fall 2004–Spring 2009**.
    - Attended monthly meetings.
    - Collected and organized materials from faculty used to assess student achievement of College of Management learning objectives, 2006 and 2007.
    - Assisted in update of College of Management information brochures, 2007.
    - Assisted in development of structure and content for First-Year Management Course, 2007–2009.

- School: Served on Enrollment Management Committee (College of Management), **Fall 2004–Spring 2008**: Participated in UMass Lowell Open Houses 2006, 2007, and 2009; Participated in UMass Lowell Accepted Student Reception 2006.
  - School: Served on Commencement Committee (College of Management), **Fall 2008–Spring 2009**: Participated in UMass Lowell Commencement Ceremonies 2008, 2009, and 2010.
  - Department: Served on OIS Department OM Faculty Search Committee, **Fall 2010–Spring 2011** (member), **Fall 2011–Spring 2012** (chair).
  - Department: Served as Faculty Senate representative for the OIS Department, **Fall 2009–Spring 2010**.
3. Other Service to the University
- Serve as faculty member of Omicron Delta Kappa (ODK) national leadership honor society, **April 2009–present**.
  - Served as panel member for two UMass Lowell Promotion and Tenure Workshops, **June 10, 2011** and **May 4, 2011**.
  - Attended Medford High School UML Scholarship presentation as part of UML Alumni Night at Tsongas Arena on **January 18, 2008**.
  - Served as Faculty Marshal at University commencement ceremony on **June 3, 2007** and **June 5, 2006**.
  - Introduced commencement speaker, Richard Grande, at College of Management commencement ceremony on **June 3, 2007**.
  - Serve as an academic advisor for 20–40 first- and second-year undergraduate students, **Fall 2005–present**.
  - Organized and served as Faculty Advisor for UMass Lowell Operations Management Group (OMG), **Spring 2006–Fall 2008**. Continue to help organize and advise OIS Club, which is the merger of OMG and the MIS Club, **Fall 2009–present**.
    - Serves as the UMass Lowell student chapter of APICS.
    - Provides networking opportunities for students through participation in bi-annual Student Night meetings with North Shore APICS chapter.
    - Enhances learning through participation in plant tours of local operations, including Brooks Automation, Barrett Distribution, Staples, the Baseball Research Center at UMass Lowell, and UPS.
    - Provides learning opportunities through APICS Student Case Competition (University of Connecticut, **April 21, 2012**).
  - Participant in Campus Composting Project (University and community), **August 2006–Spring 2008**.
    - Goal: To promote composting of leaves and food waste on campus by developing and maintaining a composting site on South Campus. The compost was used on a local farm run by at-risk teens through a group called UTEC. In

the future, it is hoped that the compost will be sold to landscapers and that the site will serve as a laboratory for the teens to learn about science, engineering, and management.

- Attended monthly meetings in Summer 2006, Fall 2006, and Fall 2007.
- Attended UMass Lowell Composting Kick-off event on October 26, 2006.
- Met with faculty and CVIP staff to discuss student participation in and potential funding sources for project, Fall 2006.
- Co-investigator (with faculty from Computer Science, Biology, RESD, and TURI) on \$8,212 grant from U.S. Environmental Protection Agency to develop a software dashboard (see also section C.1 — Grants and Contracts), Spring 2007.