

# MI KYONG K. NEWSOM

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## CURRICULUM VITAE

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### PROFESSIONAL ENGAGEMENT

#### Six Sigma Black Belt – June 2002 to current

- *Academic Director Executive Education, Lean Six Sigma Black Belt Certification*  
Design and deliver Lean Six Sigma hybrid (virtual & on-campus) training that successfully prepares executives for the Black Belt Certification. Created high engagement virtual and in-person simulations using free virtual tools such as mmhmm virtual presentation app, google sheets, virtual catapult, JeopardyLabs, and excel. Incorporated web-based student engagement tools such as Top Hat, Zoom polls, Zoom chat, Zoom breakout rooms and Carmen discussion boards to create and amplify an interactive learning experience. New hybrid design successful in increasing participants scheduling certification exam and completing certification projects. Lead the review board that certifies Lean Six Sigma projects.
- *Lean Six Sigma Black Belt Principles – Black Belt Certification*  
Design and deliver Lean Six Sigma hybrid (virtual & in-person) training that prepares MBA & MBOE students for the Black Belt Certification Exam. Redesigned the course from in-person to virtual lectures by rapidly adopting and implementing new technology that build connections and boost student engagement. Resulted in 28 out of 29 students successfully passing the Six Sigma Blackbelt Certification Exam and SEI score of 4.94 out of 5 during COVID pandemic (2020).
- *COE Summit Continuous Improvement Leader*  
Organized and lead company tours demonstrating their Lean Six Sigma journey for COE members  
Fidelity Investments Covington, KY April 10-12, 2019; Clopay Building Products Troy, OH April 10-12, 2018; Cleveland Clinic Cleveland, OH April 12-14, 2017
- *Stolle Machinery, North Canton, OH 2018-2019 Black Belt Certification*  
Designed and delivered Lean Six Sigma training on Stolle company site that prepared managers to successfully complete the Black Belt Certification Exam. Managed and directed coaches to mentor 16 Blackbelt and Greenbelt candidates resulting in completion of the Six Sigma Certifications.
- *Lean Six Sigma Projects – Greenbelt Certification*  
Certified and coached MBA students to apply the lean six sigma principles by conducting projects from local companies and OSU Medical Center.
- *Lean Six Sigma Projects – Black Belt Certification, Eastman Chemical Company*  
Certified as six sigma commercial black belt that resulted in savings over \$30 million from two key projects in feedstock hedging and commercial pricing.

### EDUCATION

#### Ph.D. Business Administration – August 2009

Fisher College of Business, The Ohio State University

Columbus, Ohio (GPA: 3.7)

Major: Operations Management

Minor: Quantitative Psychology (Statistical Modeling)

#### Master of Business Administration – June 2001

Drexel University

Philadelphia, Pennsylvania (GPA: 4.0)

#### Bachelor of Science – December 1991

University Of Wisconsin - Milwaukee

Milwaukee, Wisconsin (GPA: 3.7)

Major: Chemistry

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## AWARDS AND RECOGNITIONS

- The Fisher College of Business Recognition Award Recipient, Management Science Department, 2019
- The Fisher College of Business Undergraduate Program Teaching Award, The Ohio State University, 2018
- The Fisher College of Business Recognition Award Recipient, Management Science Department, 2017
- The Fisher Diversity Award, Pathways Sponsors: Motorists and QSCC, April 2017
- Student Athlete Advising Board Faculty Recognition, The Ohio State University, 2009
- Multiple letters of commendation from the Dean for outstanding teaching performance, The Ohio State University, 2005-2010.
- Doctoral Fellowship Award, The Ohio State University, 2004
- Outstanding Undergraduate in Physical Chemistry Award, University of Wisconsin – Milwaukee, 1991

## ACADEMIC EXPERIENCE

### **Clinical Assistant Professor – September 2017 to current**

Department of Management Science  
Fisher College of Business  
The Ohio State University

### **Visiting Assistant Professor - January 2016 to May 2017**

Department of Management Science  
Fisher College of Business  
The Ohio State University

### **Guest Lecturer - January 2012 to May 2012**

Department of Management & Marketing  
College of Business & Technology  
East Tennessee State University

### **Visiting Assistant Professor - September 2009 to May 2010**

Department of Management Science  
Fisher College of Business  
The Ohio State University

### **Graduate Teaching & Research Assistant - September 2004 to August 2009**

Department of Management Science  
Fisher College of Business  
The Ohio State University

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## ACADEMIC EXPERIENCE

### The Ohio State University (2016 – current)

#### Service

- *Course Coordinator for Business Management 3230*  
Redesigned the course from in-person lecture and recitation to virtual lecture and recitation by rapidly adopting and implementing new technology to 4 instructors, 20 undergraduate teaching assistants, 4 PHD teaching assistants, and over 2000 undergraduate students during the COVID pandemic. Created synchronous and asynchronous course resources that build connections and boost student engagement in large virtual lecture environment. Implemented new textbook resource McGraw-Hill Connect that uses technology for student learning and interaction in an online environment. Implemented question banks and formula quizzes for assessments with Proctorio technology ensuring academic integrity in virtual environment. Successfully implemented CarmenBooks, which allows student access Day 1 removing financial disparities among students and reduced textbook cost to \$60. Created and executed communication strategies for the teaching team to address inequities of technology access; safe intentional student work space; and unexpected, turbulent and high emotional circumstances. The redesign has been a huge success as SEI scores are same or greater than past scores (AU20 4.35 & SP20 4.61).
- *FCOB Faculty Teaching Knowledge Dissemination*  
Mentored FCOB Faculty with creating asynchronous content in Carmen using Mediasite, iPads, Zoom and mmhmm app. Also mentored FCOB Faculty on executing communication strategies to address inequities of technology access; safe intentional student work space; and unexpected, turbulent and high emotional circumstances. Identified as Zoom large classroom resource, Proctorio for large virtual classroom resource and early adopter of technology.
- *Operations Management Undergraduate Committee Chair*  
2020 – Present
- *The Michael V. Drake Institute Teaching and Learning Collaborative Member*  
2020 – Present
- *Pace Setters Review Committee*  
December 2018 - 2020
- *Fisher College of Business Undergraduate Programs Committee Member*  
June 2018 – present
- *Core Innovation Team Member*  
Examine teaching approaches in the three undergraduate core courses: 2320, 2321 and 3230 to employ distance technology to better leverage economies of scale while simultaneously creating more opportunities to teach students in a “one-on-a few” basis where instructors can interact with students in a more engaging, smaller group manner.
- *Founding Program Leader of Pathways for Women in Supply Chain*  
Lead supply chain program for 12 women freshmen scholars to encourage young women to consider a supply chain career. This program will be sponsored by Wendy’s Quality Supply Chain Cooperative, Encova, General Motors and Sherwin Williams for the coming year. Each company has agreed to donate \$10,000 and \$5,000 toward scholarships and provide individual coaches for the participants.
- *Management Science PhD students Mentor*  
Guided new instructors in teaching strategies, classroom management techniques and grading methodologies
- *Fisher Gateway Seminars Presenter*  
Critical Thinking, November 2018
- *ASCEND OSU Annual Case Competition Judge*  
Spring 2017 – Provided feedback to teams for the annual case competition

#### Teaching

- *Master of Business Administration 7242, Lean Six Sigma Black Belt Principles*  
Lean Six Sigma training designed as the most time-sensitive, value-driven program using Total Quality Management principles identify and eliminate operations inefficiencies in each and every process of a company’s product or service for Black Belts. Average student evaluation of 4.84 on a 5-point scale and Six Sigma Certification Exam passing rate of 98%.
- *Business Management 3230, Introduction to Operations Management*  
Survey course for business majors covering topics such as strategy, manufacturing planning and control, quality control,

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value stream mapping, lean systems, project management and supply chain management. Average student evaluations of 4.5 on a 5-point scale.

- *Business Management 4239, Process Improvement*

Examines quality management topics such as statistical process control, process design, capability analysis, 5S, lean six sigma and performance measurements. Average student evaluations of 4.6 on a 5-point scale.

## East Tennessee State University (2012)

- *Decision Science*

Managerial decision making approach that is based on the basic knowledge and understanding of linear programming to include formulation, solving, interpretation of results, sensitivity analysis and special cases using Microsoft Excel solver.

- *Policy and Strategy Formulation (hybrid instructional method - distance learning)*

Senior level capstone course in management strategy including the integration of the various business functions. Case analyses, discussion and presentations are utilized to integrate the business functions into a comprehensive, holistic approach for strategic decision making, planning for competitive advantage, communicating decisions, and planning for the effective implementation of strategies.

## The Ohio State University (2004 – 2010)

### Research

- *Research Assistant* in the department of Management Sciences supporting research on Business Ethics, Electronic Medical Records, Group Purchasing Organizations, and Continuous Improvement Capabilities.

- *Center of Operational Excellence (COE)*

Assisted in the organization of professional development seminars. Assistant Director of teachinglean.org

### Teaching

- *Business Management 902, PhD Seminar Series (Teaching Assistant)*

Distinguished faculty from other universities presented their recent research to the doctoral students and faculty.

- *Business Management 811, MBA Lean Six Sigma Projects (Greenbelt Certification)*

Teams of MBA students apply the lean six sigma principles by conducting projects from local companies and OSU Medical Center conducted during two consecutive quarters (20 weeks). Projects follow the DMAIC body of knowledge as students and coaches work through its tollgates to achieve process improvement.

- *Business Management 630, Introduction to Operations Management*

Survey course for business majors covering topics such as strategy, manufacturing planning and control, quality control, value stream mapping, lean systems, project management and supply chain management. Student evaluations of 2.7, 4.2, 3.5 and 4.2 on a 5-point scale.

- *Business Management 330, Statistics Techniques*

Second course in statistics for business majors; topics include sampling, hypothesis testing, correlation analysis, ANOVA and regression. Student evaluation of 4.1 - 4.9 on a 5-point scale.

- *Business Management 731, Quality Management*

Examines quality management topics such as statistical process control, process design, capability analysis, 5S, lean six sigma and performance measurements. Student evaluations of 4.3 and 4.9 on a 5-point scale.

- *Master of Business Administration 850, Operations and Supply Management (Teaching Assistant)*

Survey course for business majors covering topics such as strategy, manufacturing planning and control, quality control, value stream mapping, lean systems, project management and supply chain management.

## **PUBLICATIONS & PATENTS**

Newsom, M., Collier, D.A., & Olsen, E. "Using Biztainment to Gain Competitive Advantage", *Business Horizons*. (March – April 2009).

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Chou, Chun-Tzer, & Newsom, M. The Use of 1,4-cyclohexanedicarboxylic Acid as a Means of Improving Flow Properties and Broadening Cure Window of Polyester Powder Coating Enamel. Patent WO 1999060067 A1. 25 Nov. 1999. **MANUSCRIPTS UNDER PREPARATION**

Newsom, M, Anand, G, Boyer, K, Ward, P.T. “Building Continuous Improvement Capabilities Through Learning”

Newsom, M, Anand, G, Boyer, K, Ward, P.T. “How Continuous Improvement Programs build Dynamic Capabilities”

## CONFERENCE PRESENTATIONS

Newsom, M., Ward, P. T. & Anand, G. “Continuous Improvement and Dynamic Capability” Presentation at the Decision Sciences Institute Annual Meeting, Baltimore, MD, November 2008.

Newsom, M. & Benton, W.C “Group Purchasing Organizations and Supplier Managed Inventory Hospital Sourcing” Presented at the Production and Operations Management Society Conference, Dallas, TX, May 2007.

Newsom, M., Collier, D.A, & Olsen, E. “Using Businessstainment to Gain Competitive Advantage”. Presented at the Decision Sciences Institute Annual Meeting, Phoenix, AZ, November 2006.

## INDUSTRY EXPERIENCE

1988 to 2004	<b>Eastman Chemical Company</b> This includes my employment with Eastman Kodak who owned Eastman Chemical and operated it as a division until January 1994. Summary of roles and responsibilities.	
2002 – 2004	Certified Six Sigma Commercial Black Belt <ul style="list-style-type: none"><li>▪ Competitive Pricing Project</li><li>▪ Feedstock &amp; Natural Gas Hedging Program Project</li></ul>	Kingsport, TN
2001 – 2002	Principal Customer Strategy & Business Analyst	Kingsport, TN
1998 – 2001	Senior Plastics Technical Representative	Philadelphia, PA
1996 – 1998	Advanced Development Chemist	Kingsport, TN
1994 – 1995	Staff Assistant to Vice President of Technical Service & Development	Kingsport, TN
1992 – 1994	Chemicals Technical Service & Development Representative	Kingsport, TN
1988 – 1989	Co-op Program	