

Victor Pimentel Ph.D.

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Assistant Professor

Supply Chain/Business Analytics
College of Business
New Mexico State University

August 2019 - Present

Assistant Professor

Supply Chain/Business Analytics
College of Business
Niagara University

August 2016 -May 2019

EDUCATION

Ph.D. Washington State university

Operations Management

Supporting Field: Operations Research
Department of Finance and Management Science

Dissertation: "New Approaches to Yield Management:
Simultaneous

Overbooking/Allocation Heuristics For The Hotel Industry"

Chair: Dr. Timothy Baker

May 2016

University of Texas at El Paso

B.S. Operations and Supply Chain Management
College of Business

May 2010

Institute of Electric and Electrical Engineers

Six Sigma Green Belt

April 2010

Micro **Massachusetts Institute of Technology**
Masters **Supply Chain Analytics (Online)**

July 2018-Present

ACADEMIC RESEARCH

Research Interests

Supply chain management, inventory and capacity management, hospitality management, revenue management and pricing, business analytics, and the operations-marketing interface, energy distribution channels and neural-network forecasting.

Publications

Pimentel, Victor, Aishajiang Aizezikali, and Tim Baker. "An Evaluation of the Bid Price and Nested Network Revenue Management Allocation Methods." *Computers & Industrial Engineering* 115 (2017): 100-108.

Pimentel, Victor, Aishajiang Aizezikali, and Tim Baker. "Hotel Revenue Management: Benefits of Simultaneous Overbooking and Allocation Problem Formulation in Price Optimization." *Computers & Industrial Engineering* (2019): 106073.

Marlow, et al "'Double Down: Economic downturn and increased competition impacts on casino gaming and employment'" has been successfully submitted online and is presently being given full consideration for publication in the *International Hospitality Review*" *International Hospitality Review*, October 2019.

Pimentel, Victor, Aysajan Aziz, and Tim Baker. "Patterns in Hotel Revenue Management Forecasting Systems: Improved Sample Sizes, Frozen Intervals, Horizon Lengths, and Accuracy Measures."

Submitted Papers

Pimentel, Victor, Aishajiang Aizezikali, and Tim Baker "Patterns in Hotel Revenue Management Forecasting Systems: Improved Sample Sizes, Frozen Intervals, and Accuracy Measures" Submitted to *Omega Journal*, September 2019 (Third round review and resubmit)

Pimentel, Victor, Aishajiang Aizezikali, and Byron Marlow "Casino Capacity Management: Gaming impact during economic downturns in non-destination gaming states" *UNLV Gaming Research & Review Journal*

Research in Progress

Pimentel, Victor and Jim Kling "Benchmarking of Mexican Electric Plants,"

Pimentel, Victor, Xu Xun and Witt Philip "The measurement of efficiencies of Mexican Public Hospitals."

Pimentel, Victor, Xu Xun, Witt Philip and Jonathan Jackson "A Structured Analysis of Operations and Supply Chain Management Research in Humanitarian Operations"

Riding the Covid-19 Surge: Analyzing the food supply chain's response to a pandemic

Conference Presentations

Betsy Stringam and Victor Pimentel “Impact of the U.S. Federal Government Shutdown on Hotel Demand in New Mexico” West Federation Chrie Conference February 6-8, 2020 Pomona CA.

Victor Pimentel “Effect Of Live Video Image Analysis On Inventory Control On Production And Service Operations” Research Convergence Session November 11, 2019 Las Cruces NM.

Victor Pimentel, “Image and video processing processing for operations environments” POMS Conference May 2-7, 2019, Washington DC.

Fernier Emma, Kling Jim and Victor Pimentel, “What Caused the Inventory to Sales Ratio Bubble in 2015-2016?” CSCMP Academic Research Symposium September 29th and 30th, Nashville TN

Witt Phillip, Pimentel, Victor, Xu Xun, and Jonathan Jackson “A Structured Analysis of Operations and Supply Chain Management Research in Humanitarian Operations” POMS Conference May 4-7, 2018, Houston TX.

Pimentel, Victor “Examine Longitudinal Efficiency Trend of Power Generating Plants” DSI Conference, November 18-20, 2017, Washington DC.

Pimentel, Victor Invited panelist “Operations and Supply Chain Management in Developing Countries” DSI Conference, November 18-20, 2017, Washington DC.

Pimentel, Victor and Aishajiang Aizezikali “Hotel Revenue Management Optimization Methods: A Comparative Revenue Analysis” Production and Operations Management Conference, May 5-8, 2017, Seattle WA.

Pimentel, Victor, Aishajiang Aizezikali and Witt Philip “Structure Analysis of Operations and Supply Chain Management Research in Humanitarian Operations” ” Production and Operations Management Conference, May 5-8, 2017, Seattle WA.

Pimentel, Victor, Aishajiang Aizezikali and Witt Philip “Examine Longitudinal Operating Efficiency Trend of Hospitals in Mexico” Production and Operations Management Conference, May 5-8, 2017, Seattle WA.

Pimentel, Victor, Munson Charles “Efficiencies of Mexican Electric Plants,” Invited Session on Efficiency, Production and Operations Management Conference, May 9-12, 2014, Atlanta, GA.

University Service

New Mexico State University COB Faculty Council	Aug 2019 - Present
Niagara University College of Business Online MBA Committee	Aug 2016 - May 2017
Niagara University College of Business Curriculum Committee	May 2017 – May 2019
President's Innovation in Education Advisory Council	Nov 2017 - May 2019

Professional Service

Editorial Board Member *Mathematics and Computer Science Journal* April 2018-Present

Co-editor in Chief of the *Journal of Supply Chain Management Relocation* Jan 2017 - Present

Reviewer

Production and Operations Management Journal (2 Manuscripts)

Journal of Supply Chain Management Relocation (7 Manuscript)

Courses Taught at New Mexico State University

Mgt 470 – Project Management (1 section)

Roles, responsibilities, and techniques of project managers in managing projects effectively. Preparation for professional certification.

Mgt 344 – Operations Management (5 sections)

Management of operations, emphasizing production planning, inventory control, scheduling, forecasting, quality management, supply chain management, and facility layout and location.

Courses Taught at Niagara University

Mgt 314- Supply Chain Analytics (1 section)

Course Description: This is a hands-on course in which students used spreadsheets extensively to apply these techniques and approaches in case studies drawn from actual supply chains. This introduces the primary methods and tools that students will encounter in the study and practice of supply chains. We focus on the application of these methods.

Mgt 351- Adv. Excel Business Modeling (5 sections)

Course Description: This course is focused on the analysis of information using general and specific software analysis tools for quantitative business analysis. The course includes an in depth coverage of the sophisticated functions and techniques available in Microsoft Excel, techniques in automating spreadsheet function with macros and VBA. The course also provides an introduction to information analysis using the SAS statistical package

Mgt 321- Supply Chain Logistics (6 Sections)

Course Description: The course studies the business activities that support the flow of products, supplies, and raw materials throughout the supply chain. Topics include inventory control, corporate traffic management, warehousing, packaging, materials handling, and procurement. Customer service quality and leading-edge logistics practices are emphasized.

Mgt 611- Advance Quantitative Methods (3 Sections)

Course Description: This course stresses practical applications of statistics in business. Topics covered include analysis of variance, nonparametric statistics, chi-square, simple and multiple regression, time series analysis, statistical forecasting, model building, and statistical process control. Each student is required to complete a project using statistical methods in solving a realistic business problem

Mgt 673- Prod & Operations Management (2 Section)

Course Description: This course provides a management overview of the planning, coordinating and executing of all activities that create goods and services. Topics include productivity, demand and capacity planning, quality measurement systems, network analysis, supply chain interface and production-related information technologies

Mgt 654- Global Sourcing & Risk Management (3 Section)

Course Description: The widespread practice of purchasing finished goods, parts and supplies from all regions of the world creates inherent complexity and risks. This course addresses how to manage these challenges through supplier and global sourcing strategies, logistics partner selection, quality assurance, and the understanding of INCOTERMS and instruments of international payment to manage risk and accurately determine landed costs. Understanding government regulations, sustainability issues, differing language, social, legal, and ethical issues across cultures are also topics.

Mgt 674- Strategic Supply Chain Management (2 Sections)

Course Description: This course is designed to view the supply chain from a strategic perspective so that purchasing, materials management, and transportation logistics can be leveraged for competitive advantage. Specific topics include supply chain re-engineering, improving customer service, inventory management, outsourcing, supplier certification, supplier/buyer ethical considerations, and global procurement issues.

Mgt 314ONL Supply Chain Analytics (1 section)

Course Description: This course is a hands on introduction to undergraduate students to different analytical methods used to design and manage supply chains. With the use of spreadsheets and SAS students use optimization models (linear, non-linear, mix and integer programming) to solve real industry cases.

ECO 231- Business Analytics (2 sections)

Course Description: This course introduces the student to those statistical models and methods that are used in a business environment to assist in making effective decisions. It includes, but is not limited to, time series analysis, regression, Chi-square, nonparametric statistics and ANOVA.

Mgt 515- Quantitative Methods (2 Section)

Course Description: The course focuses on: (1) graphical and arithmetical description of data; (2) the use of computer software in solving statistical problems; (3) the theory of probability; (4) probability distributions and sampling distributions; and (5) estimation and hypothesis testing.

NUB: Niagara University Beginnings (3 sections)

Course Description: Niagara University Beginnings is a seminar course required of all first-year students, introducing them to the academic culture of Niagara University. In this class, students learn about how their academic course of study is integrated with the Mission, the General Education Curriculum, and student life.

Courses Taught at Washington State University

MgtOp 215 – Operations Management

Course Description: Data presentation, probability, distributions, inferences, and linear regression as applied to business and economics.

MgtOp 340 – Business Statistics

Course Description: Management of operations, emphasizing production planning, inventory control, scheduling, forecasting, quality management, supply chain management, and facility layout and location.

MgtOp 215 – Business Statistics Lab Instructor (7 lab sections)

Course Description: Lab sections meet twice a week, for two hours during the semester. It is expected that the TA is able to teach and, lecturing is part of the requirements.

Grading every class test, and laboratory assignments are also part of my duties as a TA.

HONORS AND AWARDS

NMSU CoB Fulton Mini Grant Feb 2021

Summer Research Grant 2018, Niagara University May 2018

Graduate Student Travel Grant, Washington State University Graduate and Professional Student Association, 2015.

Graduate Student Registration Grant, Washington State University Graduate and Professional Student Association, 2012.

WSU Graduate School Contribution Award, 2013

WSU Graduate School Summer Research Program, 2011

National Council of Science and Technology , Mexico (CONACYT) Fully funded Ph.D Studies \$21,000 dls,” 2015

National Council of Science and Technology , Mexico (CONACYT) Fully funded Ph.D Studies \$125,000 dls,” 2011

UTEP President's Honor Roll, University of Texas at El Paso, 2009-2011.

Professional Memberships

Production and Operations Management Society (POMS)

The Decision Sciences Institute (DSI)

The Institute for Operations Research and the Management Sciences (INFORMS)

INDUSTRY EXPERIENCE

Blacksmith Science and Technology CEO & Founder

WSU Social and Economics Sciences Research Center

Description:

- Spanish Translator and Data Analysis

Knight Transportation

Account Manager

Description:

- JIT Inventory System with Dell's Manufacturer in Mexico
- Ensure freight clear US customs on time.
- Coordinate freight security process
- Track freight to final destination
- Lean leader

Ford restaurant Group

Operations Manager

- Description:
- Operations Manager
- Scheduling
- Training Hiring