

John J. Neale

Boston College Carroll School of Management
140 Commonwealth Avenue
Chestnut Hill, MA 02467-3809
john.neale@bc.edu

Education

University of Michigan, Ann Arbor, Michigan, 1992–1997

Ph.D. in Industrial and Operations Engineering, 1997
Thesis title: *Production Control Rules for Batch Processing Machines*
Dissertation advisor: Izak Duenyas

M.S.E. in Industrial and Operations Engineering, 1994
GPA = 8.54 (A = 8.00, A+ = 9.00)

Stanford University, Stanford, California, 1988–1992

B.S. in Industrial Engineering and Engineering Management (with Distinction), 1992
GPA = 4.01 (A = 4.00, A+ = 4.30)
Stanford Program in Oxford, England, 1991

Academic Positions

2013–present *Boston College Carroll School of Management, Chestnut Hill, MA*
Professor of the Practice, Business Analytics (2022–present)
Associate Professor of the Practice, Operations Management (2017–21)
Assistant Professor of the Practice, Operations Management (2013–17)

2007–2013 *Boston University School of Management, Boston, MA*
Assistant Professor of Operations and Technology Management

Courses Taught

Boston College

- BZAN6604: Management Science (undergraduate & graduate elective)
Sections taught: 44; Average instructor rating (5 is best): 4.83
- BZAN3310: Sports Analytics (undergraduate elective)
Sections taught: 6; Average instructor rating (5 is best): 4.78
- BZAN1036: Introduction to Excel (Carroll School Summer Catalyst program)
Sections taught: 15; Average instructor rating (5 is best): 4.70
- OPER1021: Operations Management (undergraduate core requirement)
Sections taught: 7; Average instructor rating (5 is best): 4.64

- OPER3332: Supply Chain Management (undergraduate elective)
Sections taught: 4; Average instructor rating (5 is best): 4.82
- OPER8032: Supply Chain Management (graduate elective)
Sections taught: 4; Average instructor rating (5 is best): 4.84

Boston University

- OM323: Operations and Technology Management (undergraduate core requirement)
Sections taught: 12; Average instructor rating (5 is best): 4.89

Prior Professional Experience

- 2001–2007 Optiant, Inc., Burlington, MA
Vice President, Research and Development (2006–2007)
Managed the research, software development, product management, and customer support teams for this inventory optimization software start-up. Owned the product strategy and roadmap. Executive sponsor for the critical Microsoft account.
Director of Research (2001–2006)
Built and managed the research team from the ground up. Hired and mentored three research scientists. Personally led the mathematical development of batching, time phasing, and demand profiling for the PowerChain software suite. Delivered successful consulting projects to Imation, Harman/Becker, Elmer's, and Kraft Foods.
- 1997–2001 Hewlett-Packard Company, Palo Alto, CA
Process Technology Manager, Strategic Planning and Modeling
Led numerous modeling projects with HP divisions in supply chain design, inventory strategy, and forecasting and planning processes. The projects resulted in documented savings of over \$100 million annually.
- 1995 (summer) The RAND Corporation, Santa Monica, CA
Research Analyst
Developed mathematical models of different network structures for one-to-many distribution for the U.S. Army.

Prior Teaching Experience

- 2006 Fall *Boston University, Adjunct Professor*
Operations and Technology Management Department
OM 726: Adding Value Through Operations and Technology
- 1999 Winter *Stanford University, Adjunct Professor*
Department of Industrial Engineering and Engineering Management
IEEM 261: Inventory Control and Production Systems

1993 Fall	<i>University of Michigan</i> , Teaching Assistant
1993 Winter	Department of Industrial and Operations Engineering IOE 301: The Management of Operations
1993 Summer	<i>Harvard University</i> , Teaching Fellow
1992 Summer	Department of Mathematics
1990 Summer	Math Ar: Pre-Calculus
1991 Summer	<i>Harvard University</i> , Mathematics Instructor John F Kennedy School of Government

Refereed Publications

- A1. Neale, J. J., and S. P. Willems. "The Failure of Practical Intuition: How Forward-Coverage Inventory Targets Cause the Landslide Effect," *Production and Operations Management*, vol. 24, pp. 535-546, 2015.
- A2. Farasyn, I., S. Humair, J. Kahn, J. Neale, O. Rosen, J. Ruark, W. Tarleton, W. Van de Velde, G. Wegryn, and S. Willems, "Inventory Optimization at Procter & Gamble: Achieving Real Benefits through User Adoption of Inventory Tools," *Interfaces*, vol. 41, pp. 66-78, 2011.
- A3. Neale, J. J., and S. P. Willems. "Managing Inventory in Supply Chains with Nonstationary Demand," *Interfaces*, vol. 39, pp. 388-399, 2009.
- A4. Neale, J. J. and I. Duenyas, "Control of a Batch Processing Machine Serving Compatible Job Families," *IIE Transactions*, vol. 35, pp. 699-710, 2003.
- A5. Neale, J. J. and I. Duenyas, "Control of Manufacturing Networks which Contain a Batch Processing Machine," *IIE Transactions*, vol. 32, pp. 1027-1041, 2000.
- A6. Duenyas, I. and J. J. Neale, "Stochastic Scheduling of a Batch Processing Machine with Incompatible Job Families," *Annals of Operations Research*, vol. 70, pp. 191-220, 1997.

Books

- B1. Harrison, T., H. Lee, and J. Neale, eds. *The Practice of Supply Chain Management: Where Theory and Application Converge*. Kluwer Academic Publishers, Norwell, MA, 2003.

Book Chapters

- C1. Neale, J. J., B. Tomlin, and S. P. Willems, "The Role of Inventory in Superior Supply Chain Performance," T. Harrison, H. Lee, and J. Neale, eds. *The Practice of Supply Chain Management: Where Theory and Application Converge*. Kluwer Academic Publishers, Norwell, MA, pp. 31-59, 2003.

Patents

- P1. Kakouros, S., J. Neale, and G. Callioni, “Spot market-based inventory planning,” U.S. Patent 7,249,068, issued July 24, 2007.

Refereed Conference Proceedings

- R1. Neale, J., S. Willems, and J. Beyl. “Misalignment in the Timing of Seasonal Demand and Supply: The Landslide Effect,” *INFORMS MSOM 2009 Conference Proceedings*, June 29-30, MIT, Cambridge, MA, 2009.

Teaching Cases and Notes

- T1. Neale, J., “Strategic Inventory Placement,” Boston College Carroll School of Management, 2013.
- T2. Neale, J., “Improving Aggregate Plans with Optimization,” Boston University School of Management, 2011.
- T3. Miller, J. and J. Neale, “Target Costing for Start-Up Companies,” Boston University School of Management, 2010.
- T4. Neale, J., “The Power Ladder,” Boston University School of Management, 2010.
- T5. Neale, J., “The Financial Impact of Supply Chain Decisions,” Boston University School of Management, 2010.
- T6. Neale, J., “Introduction to Simulation,” Boston University School of Management, 2009.
- T7. Heineke, J., and J. Neale, “Note on Inventory and Supply Chain Management,” Boston University School of Management, 2008.

Professional Service

Ropes & Gray LLP customized modeling workshop, 2023

Member of the INFORMS Impact Prize Committee, 2015–2019

Member of the INFORMS Job Placement Service Committee, 2010–2012

Judge for the MSOM Student Paper competition, 2010 and 2011

Guest Associate Editor for *Manufacturing & Service Operations Management*, 2010

Member of the INFORMS Membership and Member Services Committee, 2005–2010

Member of the Review Committee for the MSOM Conference, 2010

Judge for the POMS SCM Best Student Paper competition, 2008

Ad hoc referee for the following journals:

INFORMS Journal on Applied Analytics (formerly *Interfaces*)

Manufacturing & Service Operations Management

Production and Operations Management

IIE Transactions

Operations Research

Naval Research Logistics

University Service

Boston College

Undergraduate Advisor, Carroll School of Management, 2014–present

Faculty Advisor, BC Sports Analytics Club, 2020–present

Member, Peer Teaching Review Committee for Mike Teodorescu, 2019–2022

Curricular Practical Training advisor for Daniel Kerfoot, summer 2021

Member, Peer Teaching Review Committee for Marios Kokkodis, 2015–2019

Chair, Peer Teaching Review Committee for Delvon Parker, 2015–2016

Judge, Klein Ethics Case Competition, 2016

Coach, Boston College Start-Up Scramble student entrepreneurial event, 2014

Directed study:

- Healthcare modeling with MBA candidate Rozanna Penney, 2020

Boston University

Operations and Technology Management Undergraduate Concentration Liaison, 2008–2013

OM323 Course Coordinator, 2008–2011, 2012–2013

APICS liaison for the Boston University School of Management, 2008–2013

OTM Department Seminar Coordinator, 2009–2012

SMG Learning Assessment Program, Cross Functional Perspective Committee, 2010

OTM Faculty Search Committee, 2008–2009

Doctoral committee member:

- Muntazir Mehdi, “Managing Steel Yield Performance: New Online & Offline Binpacking Algorithms”, D.B.A. from Boston University, 2011.
- Feng Tian, “Integrated Inventory and Production Planning in a Semiconductor Supply Chain”, D.B.A. from Boston University, 2008.

Honors and Awards

1. Recognized on Carroll School Dean’s All Star Faculty list every semester at Boston College
2. Diane Harkins Coughlin and Christopher J. Coughlin Faculty Excellence Award in undergraduate teaching, Carroll School of Management, Boston College, 2016.
3. LOCK Honorary Service Society, faculty inductee, Boston University School of Management, 2011.
4. Finalist, Franz Edelman Award for Achievement in Operations Research and the Management Sciences, INFORMS, 2010.
5. Broderick Prize for Excellence in Teaching, Boston University School of Management, 2009.
6. Daniel H. Wagner Prize for Excellence in Operations Research Practice, INFORMS, 2008.
7. Optiant Whatever it Takes Award recipient, 2003.
8. Selected for the HP LEAD program, 2000.
9. HP STAR Award recipient, 1998.
10. Rackham Predoctoral Fellowship, University of Michigan, 1996-97.
11. Outstanding Graduate Student Award, University of Michigan Department of Industrial and Operations Engineering, 1996.
12. Rackham Research Partnership Program Fellowship, University of Michigan, 1995-96.
13. Sigma Xi scientific research honor society, elected 1995.
14. Japan Technology Management Program Fellowship, 1994-95.
15. DeVlieg Foundation Manufacturing Fellowship, 1994.

16. Outstanding Undergraduate Student Award (#1 in graduating class), Stanford University Department of Industrial Engineering and Engineering Management, 1992.
17. F.E. Terman Award for Scholastic Achievement in Engineering (top 5% of class), Stanford University, 1992.
18. Tau Beta Pi national engineering honor society, inducted 1991.
19. David Starr Jordan Scholar (top 200 students admitted to Stanford), 1988.
20. National Merit Scholarship, 1988-92.
21. U.S. Department of Education Robert C. Byrd Honors Scholarship, 1988.
22. Valedictorian, Nashoba Regional High School, 1988.