

PROMOTION RECOMMENDATION
The University of Michigan-Dearborn
College of Business

David L. Kaufman, assistant professor of business management, Department of Management Studies, College of Business, is recommended for promotion to associate professor of business management, with tenure, Department of Management Studies, College of Business.

Academic Degrees:

Ph.D.	2005	Industrial and Operations Engineering, University of Michigan, Ann Arbor, MI
M.S.	1999	Industrial and Operations Engineering, University of Michigan, Ann Arbor, MI
B.A.	1998	Mathematics, Physics, Bethel College, North Newton, KS

Professional Record:

2015-present	Assistant Professor, University of Michigan-Dearborn, Dearborn, MI
2010-2015	Lecturer, University of Michigan, Ann Arbor, MI

Summary of Evaluation:

Teaching: Professor Kaufman's teaching is rated as excellent. He is an essential member of our business analytics bench. His teaching of quantitative and analytics topics is central to the success of our Masters of Science in business analytics and our current build-up of business analytics offerings at the undergraduate level. Professor Kaufman has taught three challenging and technical decision sciences (DS) courses at both undergraduate and graduate levels: DS 310: Data Mining for Business Intelligence, DS 520: Applied Statistical Modeling, and DS 633: Data Mining for Business Applications, both in-person and online. It is noteworthy that he developed two of these courses: Data Mining for Business Applications and Data Mining for Business Intelligence.

While technical courses are often received with mixed reviews by students, Professor Kaufman defies this principle and is highly regarded by students as evidenced by strong teaching ratings (above department averages) and his being awarded the College of Business Teacher of the Year award (voted on by students) in 2017.

Research: Professor Kaufman's research is rated as excellent. His research focuses on data analytics, and in particular the optimization of processes and decision-making under conditions of uncertainty, most often in medical and healthcare contexts. More specifically, Professor Kaufman has generated substantive new insights on quantitative modeling for production and manufacturing, the dynamic control of queuing systems, and medical decision making. In addition, he has three papers in his current pipeline of projects, and this bodes well for his research trajectory post-tenure. In 2020, Professor Kaufman was recognized as the Researcher of the Year by the college.

Recent and Significant Publications:

Steimle, L. N., D. L. Kaufman, and B. T. Denton, "Multi-model Markov decision processes," *IISE Transactions*, vol. 53, no. 10, 2021, pp. 1124-1139. Featured in *IIE Magazine*.

Zayas-Cabán, G., E. J. Lodree, and D. L. Kaufman, "Optimal control of parallel queues for managing volunteer convergence," *Production and Operations Management*, vol. 29, no. 10, 2020, pp. 2268-2288.

Deglise-Hawkinson, J., D. L. Kaufman, B. Roessler, and M. P. Van Oyen, "Access planning and resource coordination for clinical research operations," *IISE Transactions*, vol. 52, no. 8, 2020, pp. 832-846. Featured in *IIE Magazine*.

Deglise-Hawkinson, J., J. E. Helm, T. R. Huschka, D. L. Kaufman, and M. P. Van Oyen, "A capacity allocation planning model for integrated care and access management," *Production and Operations Management: Special Issue on Patient-Centric Healthcare Management in the Age of Analytics*, vol. 27, no. 12, 2018, pp. 2270-2290.

Hobbs, J., D. L. Kaufman, H.-W. Lee, and V. Singh, "Stock returns and disagreement among sell-side analysts," *Journal of Applied Business Research*, vol. 34, no. 3, 2018, pp. 487-496.

Service: Professor Kaufman's service is rated as excellent. He is a dedicated and collegial team player. He has contributed to his academic area in the college, college-wide initiatives, to University of Michigan-Dearborn projects, and externally to his discipline. He has been a member of several College of Business committees, such as the Graduate Curriculum Committee, the Lecturer Review Committee, and the Scholarship and Awards Committee. He was a member of the Innovation, Design, Entrepreneurship, and Artistry Lab Task Force coordinated through the Provost's office. Professor Kaufman has been an active member of the Institute for Operations Research and the Management Sciences annual meetings by chairing sessions related to his research, and he reviews for many discipline journals.

External Reviewers:

Reviewer A: "Dr. Kaufman has reviewed fairly extensively for a wide variety of operations-oriented journals, including EJOR, IISE Transactions, MSOM, Management Science, OR, and POM. He has also chaired or co-chaired sessions at several academic conferences. These are all typical and encouraged activities for research-active junior faculty to engage in, which is encouraging."

Reviewer B: "I respect Dr. Kaufman's work, and feel that he can produce high quality research given some time. I believe he may be able to qualify for tenure at most schools comparable to your school, given his research record."

Reviewer C: "His list of professional service activities includes peer review for many excellent journals, which indicates that editors value his expertise, and combined with his activity organizing conference sessions, his professional service is appropriate for a faculty member in his position."

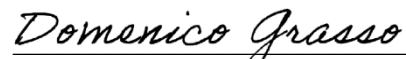
Reviewer D: "I rate the quality of David's scholarly contributions as excellent. He regularly publishes in the top OM/OR journals (*Production and Operations Management*, *IISE Transactions*, *INFORMS Journal on Computing*, and *Naval Research Logistics*) with other outstanding scholars."

Reviewer E: “I have no doubt that Dr. Kaufman will continue producing high quality research given his impactful output so far and his trajectory. His contributions in Markov decision processes, queueing models and medical decision making are very rigorous and significant. His applications are all in relevant areas addressing contemporary and critical problems.”

Summary of Recommendation: We are pleased to recommend, with the support of the College of Business Executive Committee, David L. Kaufman for promotion to associate professor of business management, with tenure, Department of Management Studies, College of Business.



Frédéric Brunel, Dean
College of Business



Domenico Grasso, Chancellor
University of Michigan-Dearborn

May 2024