



# PATHFINDER:

## Operations Management

Keyword: Operations Management

Scope: Operations Management as the process whereby resources, flowing with in a defined system, are combined and transformed by a controlled manner to add value in accordance with policies communicated by management. (Monks,J. 2018)

Production and operations management concern with the conversion of inputs into outputs, using physical resources, so as to provide the desired utilities to the customer while meeting the other organizational objectives of effectiveness, efficiency and adaptability. It distinguishes itself from other functions such as personnel, marketing, finance, etc., by its primary concern for 'conversion by using physical resources.' Following are the activities which are listed under production and operations management functions:

1. Location of facilities
2. Plant layouts and material handling
3. Product design
4. Process design
5. Production and planning control
6. Quality control
7. Materials management
8. Maintenance management.

Source: <https://theintactone.com/2018/02/21/om-u1-topic-1-nature-and-scope-of-production-and-operation-management/>

Related Term: Business, Industrial Organization

**Books:** (Copyright 2016 – 2020)

Berners, Philip. (2019). *The practical guide to managing event venues*. Abingdon: Routledge. [394.2068 B45]

Bozarth, Cecil C. (2019). *Introduction to operations and supply chain management*. 5<sup>th</sup> edition. New York: Pearson. [658.5 B71]

Cachon, Gerard. (2020). *Operations management*. 2<sup>nd</sup> edition. New York: McGraw-Hill Education. [658.5 C11]

Esslia, Jean C. (2019). *Managing operations throughout global supply chains*. Pennsylvania: Business Science Reference. [658.7 Es7]

Heizer, Jay. (2020). *Operations management: sustainability and supply chain management*. 13<sup>th</sup> edition. England: Pearson. [658.5 H36]

Jacobs, F. Robert. (2020). *Operations and supply chain management. The core.* 5<sup>th</sup> edition. New York: McGraw-Hill Education. [658.5 J15]

Swink, Morgan. (2020). *Managing operations: across the supply chain.* 4<sup>th</sup> edition. New York: McGraw-Hill Education. [658.5 Sw64]

### eBooks:

*The Handbook of Behavioral Operations*, edited by Elena Katok, et al., John Wiley & Sons, Incorporated, 2018. *ProQuest Ebook Central*,  
<https://www.proquest.com/legacydocview/EBC/5568248?accountid=50192>.

AWWA. *AWWA G410-18 Business Practices for Operation and Management*, American Water Works Association, 2019. *ProQuest Ebook Central*,  
<https://www.proquest.com/legacydocview/EBC/5631464?accountid=50192>.

Miller, Tan, and Matthew J. Liberatore. *Logistics Management : An Analytics-Based Approach*, Business Expert Press, 2020. *ProQuest Ebook Central*,  
<https://www.proquest.com/legacydocview/EBC/6166813?accountid=50192>.

Nicholas, John. *Lean Production for Competitive Advantage : A Comprehensive Guide to Lean Methodologies and Management Practices, Second Edition*, Productivity Press, 2018. *ProQuest Ebook Central*,  
<https://www.proquest.com/legacydocview/EBC/5323461?accountid=50192>.

*The Use of Social Media in Operations and Supply Chain Management*, edited by Cristina Gimenez, et al., Emerald Publishing Limited, 2020. *ProQuest Ebook Central*,  
<https://www.proquest.com/legacydocview/EBC/6423602?accountid=50192>.

### Related Articles: (Scholarly Journals)

Fenton, Susan H, PhD, RHIA,C.P.H.I., F.A.H.I.M.A., & Smith, Diann H, MS, RHIA,C.H.P., F.A.H.I.M.A. (2019). Evidence-based operations management in health information management: A case study. *Perspectives in Health Information Management*, , 1-13. Retrieved from  
<http://ezproxy.usc.edu.ph/login?url=https://search.proquest.com/ezproxy.usc.edu.ph/docview/2332351129?accountid=50192>

Gao, B., & Chen, Z. (2021). Research on the strategy of flexible management in the operation and management of small and medium-sized enterprises under computer application. *Journal of Physics: Conference Series*, 1744(3)  
doi:<http://dx.doi.org/10.1088/1742-6596/1744/3/032046>

Nisiyama, E. K., Oyadomari, J. C. T., Yen-Tsang, C., & de Aguiar, A. B. (2016). The use of management control systems and operations management techniques. *Brazilian Business Review*, 13(2), 56-82.  
doi:<http://dx.doi.org.ezproxy.usc.edu.ph/10.15728/bbr.2016.13.2.3>

Pilkington, A., & Meredith, J. R. (2018). The diffusion network of research knowledge in operations management. *International Journal of Operations & Production Management*, 38(2), 333-349.  
doi:<http://dx.doi.org.ezproxy.usc.edu.ph/10.1108/IJOPM-08-2016-0440>

Ravinder, H., PhD., & Kollikkathara, N., PhD. (2017). Project management in operations management textbooks: Closing the gap. *Journal of the Academy of Business Education*, 18, 307-324.  
Retrieved from  
<http://ezproxy.usc.edu.ph/login?url=https://search.proquest.com.ezproxy.usc.edu.ph/docview/1972152857?accountid=50192>

Access to Electronic Resources: <https://ezproxy.usc.edu.ph>  
Library website: [www.library.usc.edu.ph](http://www.library.usc.edu.ph)  
Email: [uscbernardbonklib2016@gmail.com](mailto:uscbernardbonklib2016@gmail.com)  
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Disclaimer:

This pathfinder contains suggested materials on Operations Management that are available in the USC Libraries. However, some references were not included.

We welcome suggestions for new pathfinder subjects.

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